



WESTPOINT STEVENS


February 9, 1995

Ms. Jennifer Walker
Alabama Department of Environmental Management
1751 Dickinson Drive
Montgomery, AL 36109-2608

Re: WestPoint Stevens Inc. - CERCLIS Sites

Dear Ms. Walker:

Following is a listing for all sites that were identified by WestPoint Pepperell in 103C notifications. As we discussed by phone, WestPoint Stevens (formerly WestPoint Pepperell) does not currently own all of the sites. Also note that the 103C notifications do not use the same names that are on the current CERCLIS list. I am using the site names from the original 103C's that are referenced on the map you have.

1. Valley Site No. 1 - owned by the City of Lanett.
Bobby Williams - City Manager
334-644-2141
2. Valley Site No. 2 - owned by the City of Valley.
Jack Manley - City Manager
334-756-3131
3. Valley Site No. 3 - Current owner:
J. R. Dudley, Jr.
(b)(6) Personal Privacy
 May 14, 1995
4. Valley Site No. 4 - owned by WestPoint Stevens
5. Valley Site No. 5 - owned by WestPoint Stevens
6. Valley Site Nos. 6 & 7 - owned by J. R. Dudley, Jr.
(see Site No. 3)

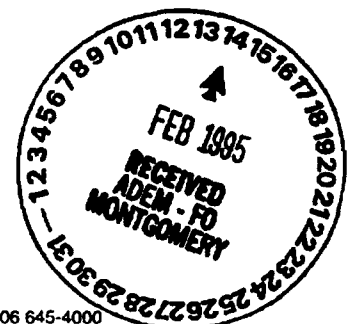
If you need additional information, please let me know.

Sincerely,

Eddie Lanier

Eddie Lanier
Manager of Environmental Engineering
Engineering & Environmental Department

LEL:si

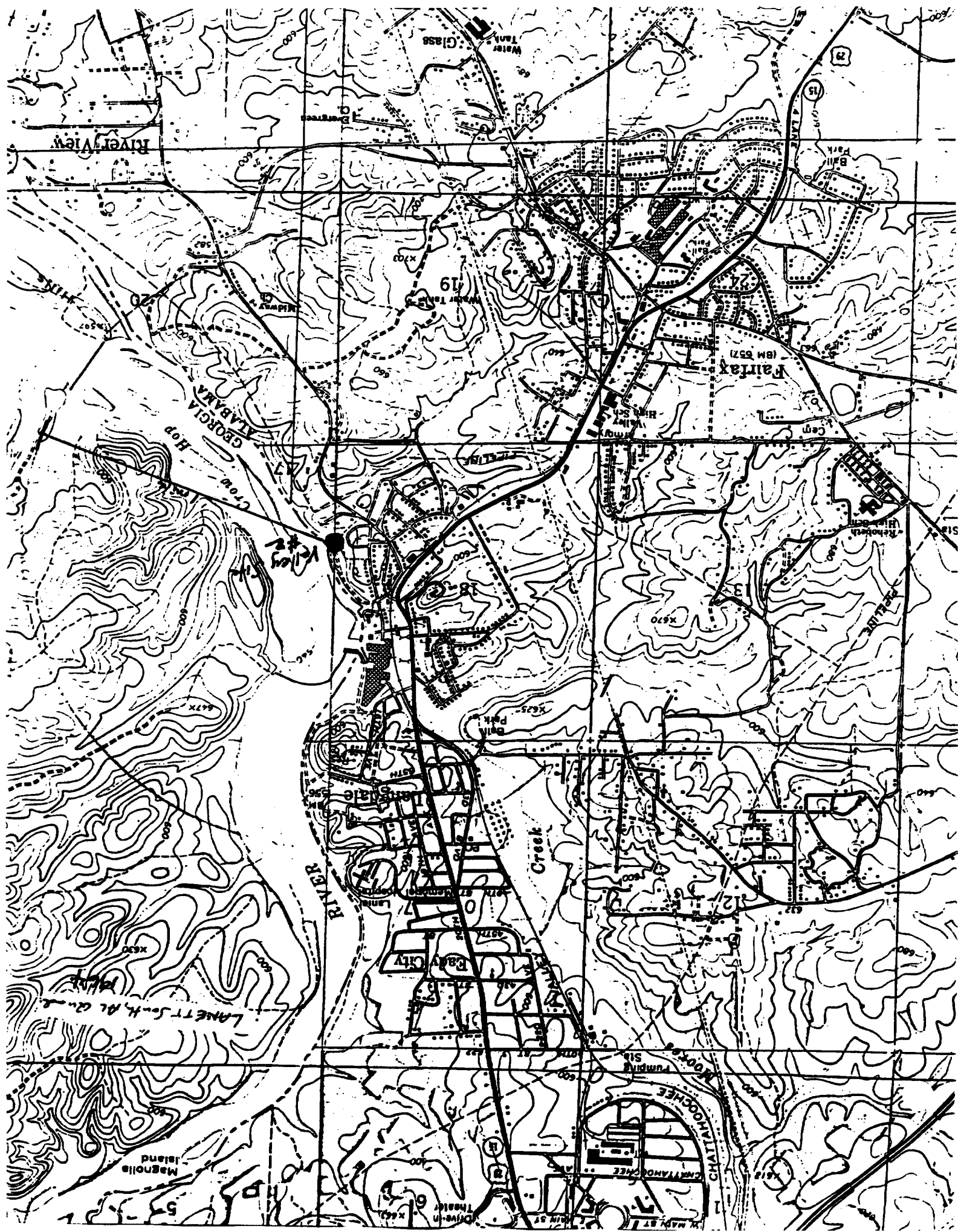


REFERENCE 4

OVERSIZED

DOCUMENT

REFERENCE 3





POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☐ YES ☐ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

*No enforcement action has been taken with regard to this domestic
landfill site*

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Review of EPA & State files.



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION
01 STATE 02 SITE NUMBER

II PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. BARRIER WALLS CONSTRUCTED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☒ S. CAPPING/COVERING
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

performed voluntarily by West Point Pepperell without government interaction

01 ☐ T. BULK TANKAGE REPAIRED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ U. GROUT CURTAIN CONSTRUCTED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ V. BOTTOM SEALED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ W. GAS CONTROL
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ X. FIRE CONTROL
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ Y. LEACHATE TREATMENT
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ Z. AREA EVACUATED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ 1. ACCESS TO SITE RESTRICTED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ 2. POPULATION RELOCATED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ 3. OTHER REMEDIAL ACTIVITIES
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

J.M. Birdsong and other representatives of West Point Pepperell



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ D. SPILLED MATERIAL REMOVED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ E. CONTAMINATED SOIL REMOVED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ F. WASTE REPACKAGED
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ G. WASTE DISPOSED ELSEWHERE
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ H. ON SITE BURIAL
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ I. IN SITU CHEMICAL TREATMENT
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ J. IN SITU BIOLOGICAL TREATMENT
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ K. IN SITU PHYSICAL TREATMENT
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ L. ENCAPSULATION
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ M. EMERGENCY WASTE TREATMENT
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ N. CUTOFF WALLS
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ P. CUTOFF TRENCHES/SUMP
04 DESCRIPTION

02 DATE _____

03 AGENCY _____

01 ☐ Q. SUBSURFACE CUTOFF WALL
04 DESCRIPTION

02 DATE _____

03 AGENCY _____



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION
01 STATE 02 SITE NUMBER

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	
05 CITY	06 STATE 07 ZIP CODE	

III. OFF-SITE GENERATOR(S)

01 NAME <i>Community living near mill</i>	02 D+B NUMBER <i>N/A</i>	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE	05 CITY	06 STATE 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE	05 CITY	06 STATE 07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME <i>West Point Peppercell</i>	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE	05 CITY	06 STATE 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE 07 ZIP CODE	05 CITY	06 STATE 07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., memo files, sample analysis, reports)

West Point Peppercell was responsible for picking up domestic garbage in the community surrounding their textile mill. The waste was then landfilled.

Now a private garbage collection firm picks up the waste & transports it to the county landfill.



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. CURRENT OPERATOR (Provide if different from owner)

OPERATOR'S PARENT COMPANY (if applicable)

01 NAME <i>Same as owner</i>		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER					

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

PREVIOUS OPERATORS' PARENT COMPANIES (if applicable)

01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					

01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					

01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. CURRENT OWNER(S)

PARENT COMPANY (If applicable)

01 NAME West Point Peppercell, Inc.			02 D+B NUMBER ALD003276763			08 NAME			09 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.) P.O. Box 71			04 SIC CODE			10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE								
05 CITY West Point			06 STATE GA			07 ZIP CODE 31833			12 CITY			13 STATE			14 ZIP CODE		
01 NAME			02 D+B NUMBER			08 NAME			09 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE			10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE								
05 CITY			06 STATE			07 ZIP CODE			12 CITY			13 STATE			14 ZIP CODE		
01 NAME			02 D+B NUMBER			08 NAME			09 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE			10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE								
05 CITY			06 STATE			07 ZIP CODE			12 CITY			13 STATE			14 ZIP CODE		
01 NAME			02 D+B NUMBER			08 NAME			09 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE			10 STREET ADDRESS (P.O. Box, RFD #, etc.)			11 SIC CODE								
05 CITY			06 STATE			07 ZIP CODE			12 CITY			13 STATE			14 ZIP CODE		

III. PREVIOUS OWNER(S) (List most recent first)

IV. REALTY OWNER(S) (If applicable, list most recent first)

01 NAME			02 D+B NUMBER			01 NAME			02 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE			03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE								
05 CITY			06 STATE			07 ZIP CODE			05 CITY			06 STATE			07 ZIP CODE		
01 NAME			02 D+B NUMBER			01 NAME			02 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE			03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE								
05 CITY			06 STATE			07 ZIP CODE			05 CITY			06 STATE			07 ZIP CODE		
01 NAME			02 D+B NUMBER			01 NAME			02 D+B NUMBER								
03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE			03 STREET ADDRESS (P.O. Box, RFD #, etc.)			04 SIC CODE								
05 CITY			06 STATE			07 ZIP CODE			05 CITY			06 STATE			07 ZIP CODE		

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

EPA Form 8900-1



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. SAMPLES TAKEN

NONE

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL			
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS

IV. PHOTOGRAPHS AND MAPS

01 TYPE <input checked="" type="checkbox"/> GROUND <input type="checkbox"/> AERIAL	02 IN CUSTODY OF <u>Toal Venter, EPA</u> <small>(Name of organization or individual)</small>
03 MAPS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	04 LOCATION OF MAPS <u>Attached to EPA Form 8900-1</u>

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

Purpose of trip was to perform a visual site recon.

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A. 10^{-8} - 10^{-6} cm/sec ☐ B. 10^{-4} - 10^{-6} cm/sec ☐ C. 10^{-4} - 10^{-3} cm/sec ☐ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE (Less than 10^{-8} cm/sec) ☐ B. RELATIVELY IMPERMEABLE (10^{-4} - 10^{-6} cm/sec) ☐ C. RELATIVELY PERMEABLE (10^{-2} - 10^{-4} cm/sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK

____ (ft)

04 DEPTH OF CONTAMINATED SOIL ZONE

____ (ft)

05 SOIL pH

06 NET PRECIPITATION

8 (in)

07 ONE YEAR 24 HOUR RAINFALL

3.5 (in)

08 SLOPE

SITE SLOPE

____ %

DIRECTION OF SITE SLOPE

TERRAIN AVERAGE SLOPE

____ %

09 FLOOD POTENTIAL

SITE IS IN 100 YEAR FLOODPLAIN

10

☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE

OTHER

A. ____ (mi)

B. ____ (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

110 ft in the area (mi)

ENDANGERED SPECIES: _____

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL

RESIDENTIAL AREAS, NATIONAL/STATE PARKS,
FORESTS, OR WILDLIFE RESERVES

AGRICULTURAL LANDS
PRIME AG LAND AG LAND

A. ____ (mi)

B. 1/5 (mi)

C. ____ (mi)

D. ____ (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

Cemetery is on hilltop - site occupies eastern hillside next to the cemetery - farther east & at a lower elevation in the Chetwood River (540 ft msl)

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analyses, reports)



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY
(Check as applicable)

SURFACE WELL
COMMUNITY A. ☒ B. ☐
NON-COMMUNITY C. ☐ D. ☐

02 STATUS

ENDANGERED AFFECTED MONITORED
A. ☐ B. ☐ C. ☒
D. ☐ E. ☐ F. ☐

03 DISTANCE TO SITE

A. 20 (mi) Downstream
B. (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☐ A. ONLY SOURCE FOR DRINKING ☐ B. DRINKING (Other sources available)
COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available)
☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available)
☒ D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER 0

03 DISTANCE TO NEAREST DRINKING WATER WELL N/A (mi)

04 DEPTH TO GROUNDWATER
(ft)

05 DIRECTION OF GROUNDWATER FLOW

06 DEPTH TO AQUIFER
OF CONCERN
(ft)

07 POTENTIAL YIELD
OF AQUIFER
(gpd)

08 SOLE SOURCE AQUIFER
☐ YES ☐ NO

09 DESCRIPTION OF WELLS (Including usage, depth, and location relative to population and buildings)

10 RECHARGE AREA

☐ YES COMMENTS
☐ NO

11 DISCHARGE AREA

☐ YES COMMENTS
☐ NO

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☒ A. RESERVOIR, RECREATION
DRINKING WATER SOURCE ☐ B. IRRIGATION, ECONOMICALLY
IMPORTANT RESOURCES ☐ C. COMMERCIAL, INDUSTRIAL ☐ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:

AFFECTED

DISTANCE TO SITE

Chattahoochee River ☐ 0.04 (mi)
☐
☐

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE

A. 2,500
NO. OF PERSONS

TWO (2) MILES OF SITE

B. 5,000
NO. OF PERSONS

THREE (3) MILES OF SITE

C. NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION

1/5 (mi)

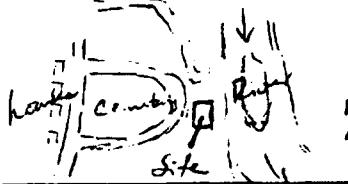
03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE

04 DISTANCE TO NEAREST OFF-SITE BUILDING

1/5 (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

Site is between a cemetery & the Chattahoochee River. A residential area borders the opposite side of the cemetery.





POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
<input type="checkbox"/> A. NPDES				(see below)
<input type="checkbox"/> B. UIC				
<input type="checkbox"/> C. AIR				
<input type="checkbox"/> D. RCRA				
<input type="checkbox"/> E. RCRA INTERIM STATUS				
<input type="checkbox"/> F. SPCC PLAN				
<input type="checkbox"/> G. STATE (Specify)				
<input type="checkbox"/> H. LOCAL (Specify)				
<input type="checkbox"/> I. OTHER (Specify)				
<input type="checkbox"/> J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE	04 TREATMENT (Check all that apply)	05 OTHER
<input type="checkbox"/> A. SURFACE IMPOUNDMENT			<input type="checkbox"/> A. INCINERATION	<input type="checkbox"/> A. BUILDINGS ON SITE
<input type="checkbox"/> B. PILES			<input type="checkbox"/> B. UNDERGROUND INJECTION	
<input type="checkbox"/> C. DRUMS, ABOVE GROUND			<input type="checkbox"/> C. CHEMICAL/PHYSICAL	
<input type="checkbox"/> D. TANK, ABOVE GROUND			<input type="checkbox"/> D. BIOLOGICAL	
<input type="checkbox"/> E. TANK, BELOW GROUND			<input type="checkbox"/> E. WASTE OIL PROCESSING	
<input checked="" type="checkbox"/> F. LANDFILL	1-3	acres	<input type="checkbox"/> F. SOLVENT RECOVERY	06 AREA OF SITE
<input type="checkbox"/> G. LANDFARM			<input type="checkbox"/> G. OTHER RECYCLING/RECOVERY	1-3 (Acres)
<input type="checkbox"/> H. OPEN DUMP			<input type="checkbox"/> H. OTHER (Specify)	
<input type="checkbox"/> I. OTHER (Specify)				

07 COMMENTS

The West Point Peppercell Mills have NPDES, Air, and in one case a RCRA application for interim status permit. The actual site has no permit associated with it. County officials are aware of the ^{former} use of this land for domestic waste disposal according to WPP rep.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

☒ A. ADEQUATE, SECURE ☐ B. MODERATE ☐ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

Landfill was closed, and covered with soil ^{and} ~~topsoil~~ seeded.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☐ YES ☒ NO

02 COMMENTS

Waste are buried

VI. SOURCES OF INFORMATION (Check specific references, e.g. state files, sample analysis, reports)

West Point Peppercell
EPA Waste Division Files



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES
(Spills/Runoff/Standing liquids, Leaking drums)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

No apparent hazard associated w/ this site. Landfill was used for domestic waste and possibly small amounts of industrial waste. Landfill was closed, covered w/ 2 ft. soil and seeded. Landfill is about 200' west of River.

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

Conversation with T.M. Birdsong and other representatives of West Port Peppercell on 12-16-81. The Company was asked for records to show waste type, origin, transportation, etc. but the representatives said there are no records.



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ B. SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☒ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

If there were industrial, hazardous waste landfilled at this site then the Chattahoochee River would have the potential of being affected. No Leachate streams were seen however. Company is not aware of any haz. waste at this site - only household garbage

01 ☐ C. CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ E. DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☒ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☒ F. CONTAMINATION OF SOIL

03 AREA POTENTIALLY AFFECTED: _____
(Acres)

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ G. DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☒ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ H. WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ I. POPULATION EXPOSURE/INJURY

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☒ ALLEGED



EPA FORM 2070-13(7-81)



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) <i>Valley Site #2</i>		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER <i>Langdale Cemetery & 20th Avenue</i>				
03 CITY <i>Langdale</i>		04 STATE <i>AL</i>	05 ZIP CODE <i>36864</i>	06 COUNTY <i>Chambers</i>	07 COUNTY CODE	08 CONG DIST
09 COORDINATES LATITUDE <i>32° 48' 31"</i> LONGITUDE <i>85° 12' 00"</i>		10 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER <input type="checkbox"/> G. UNKNOWN				

III. INSPECTION INFORMATION

01 DATE OF INSPECTION <i>12, 10, 81</i> MONTH DAY YEAR	02 SITE STATUS <input type="checkbox"/> ACTIVE <input checked="" type="checkbox"/> INACTIVE	03 YEARS OF OPERATION <i>1900</i> <i>1940</i> <i>UNKNOWN</i> BEGINNING YEAR ENDING YEAR	
04 AGENCY PERFORMING INSPECTION (Check all that apply) <input checked="" type="checkbox"/> A. EPA <input checked="" type="checkbox"/> B. EPA CONTRACTOR <i>Ecology & Environment</i> <input type="checkbox"/> C. MUNICIPAL <input type="checkbox"/> D. MUNICIPAL CONTRACTOR <input checked="" type="checkbox"/> E. STATE <input type="checkbox"/> F. STATE CONTRACTOR <input type="checkbox"/> G. OTHER			

05 CHIEF INSPECTOR <i>Harold Taylor</i>	06 TITLE <i>Environmental Scientist</i>	07 ORGANIZATION <i>AL Div. SW & VC</i>	08 TELEPHONE NO. <i>(205) 832-6728</i>
09 OTHER INSPECTORS <i>Toel Veater</i>	10 TITLE <i>Project Officer for AL</i>	11 ORGANIZATION <i>EPA</i>	12 TELEPHONE NO. <i>(404) 881-2234</i>
<i>Jennifer Scott-Simpson</i>	<i>Biologist</i>	<i>E & E</i>	<i>(404) 288-7711</i>
<i>Charles H. Lee</i>	<i>Geologist</i>	<i>E & E</i>	<i>(404) 258-7711</i>
			()
			()

13 SITE REPRESENTATIVES INTERVIEWED <i>J. M. Birdsong</i>	14 TITLE <i>Supervisor</i>	15 ADDRESS <i>Langdale, AL</i>	16 TELEPHONE NO. <i>(205) 756-7111</i> <i>& 2570</i>
<i>Charles Taylor</i>		<i>Service Center - Langdale</i>	()
<i>Carl Summers</i>		<i>Engineering Dept.</i>	()
			()
			()
			()
			()

17 ACCESS GAINED BY (Check one) <input checked="" type="checkbox"/> PERMISSION <input type="checkbox"/> WARRANT	18 TIME OF INSPECTION <i>10:30</i>	19 WEATHER CONDITIONS <i>Cold & Clear</i>
--	---------------------------------------	--

IV. INFORMATION AVAILABLE FROM

01 CONTACT <i>J. M. Birdsong</i>	02 OF (Agency/Organization) <i>West Point Paper Co.</i>		03 TELEPHONE NO. <i>(205) 756-7111</i> <i>& 2570</i>
04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM <i>Jennifer Scott-Simpson</i>	05 AGENCY <i>E & E</i>	06 ORGANIZATION	07 TELEPHONE NO. <i>(404) 288-7711</i>
		08 DATE <i>12, 22, 81</i> MONTH DAY YEAR	

REFERENCE 2

Notification of Hazardous Waste Site

Side Two

F Waste Quantity:

Place an X in the appropriate boxes to indicate the facility types found at the site.

In the "total facility waste amount" space give the estimated combined quantity (plume) of hazardous wastes at the site using cubic feet or gallons.

In the "total facility area" space, give the estimated area size which the facilities occupy using square feet or acres

Facility Type

1. ☐ Piles
2. ☐ Land Treatment
3. ☒ Landfill
4. ☐ Tanks
5. ☐ Impoundment
6. ☐ Underground Injection
7. ☐ Drums, Above Ground
8. ☐ Drums, Below Ground
9. ☐ Other (Specify) _____

Total Facility Waste Amount

cubic feet unknown

gallons _____

Total Facility Area

square feet unknown

acres _____

G Known, Suspected or Likely Releases to the Environment:

Place an X in the appropriate boxes to indicate any known, suspected, or likely releases of wastes to the environment.

☐ Known ☐ Suspected ☐ Likely ☐ None
unknown

Note: Items Hand I are optional. Completing these items will assist EPA and State and local governments in locating and assessing hazardous waste sites. Although completing the items is not required, you are encouraged to do so.

H Sketch Map of Site Location: (Optional)

Sketch a map showing streets, highways, routes or other prominent landmarks near the site. Place an X on the map to indicate the site location. Draw an arrow showing the direction north. You may substitute a publishing map showing the site location.

I Description of Site: (Optional)

Describe the history and present conditions of the site. Give directions to the site and describe any nearby wells, springs, lakes, or housing. Include such information as how waste was disposed and where the waste came from. Provide any other information or comments which may help describe the site conditions.

J Signature and Title:

The person or authorized representative (such as plant managers, superintendents, trustees or attorneys) of persons required to notify must sign the form and provide a mailing address (if different than address in item A). For other persons providing notification, the signature is optional. Check the boxes which best describe the relationship to the site of the person required to notify. If you are not required to notify check "Other"

Name Lee Goodrich, Assist. Legal Counsel

Street P. O. Box 71

City West Point

State GA Zip Code 31833

Signature Lee Goodrich

Date 6/4/81

- ☒ Owner, Present
- ☐ Owner, Past
- ☐ Transporter
- ☐ Operator, Present
- ☐ Operator, Past
- ☐ Other

EPA Notification of Hazardous Waste Site

United States
Environmental Protection
Agency
Washington DC 20460

This initial notification information is required by Section 103(c) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 and must be mailed by June 9, 1981.

Please type or print in ink. If you need additional space, use separate sheets of paper. Indicate the letter of the item which applies.

810608

ALS000001142

A Person Required to Notify:

Enter the name and address of the person or organization required to notify.

Name West Point Pepperell, Inc.

Street P. O. Box 71

City West Point

State GA

Zip Code 31833

B Site Location:

Enter the common name (if known) and actual location of the site.

Name of Site Valley Site #2

Street Langdale Cemetery & 20th Ave

City Langdale

County Chambers

State Al

Zip Code 36864

ALD 003276763

C Person to Contact:

Enter the name, title (if applicable), and business telephone number of the person to contact regarding information submitted on this form.

Name (Last, First and Title) Birdsong, J. M., Supervisor

Phone (205) 756-7111

X-2570

D Dates of Waste Handling:

Enter the years that you estimate waste treatment, storage, or disposal began and ended at the site.

From (Year) 1900

To (Year) 1940

E Waste Type: Choose the option you prefer to complete

Option 1: Select general waste types and source categories. If you do not know the general waste types or sources, you are encouraged to describe the site in Item I—Description of Site.

General Type of Waste:

Place an X in the appropriate boxes. The categories listed overlap. Check each applicable category.

1. ☐ Organics
2. ☐ Inorganics
3. ☐ Solvents
4. ☐ Pesticides
5. ☐ Heavy metals
6. ☐ Acids
7. ☐ Bases
8. ☐ PCBs
9. ☐ Mixed Municipal Waste
10. ☒ Unknown
11. ☐ Other (Specify)

Source of Waste:

Place an X in the appropriate boxes.

1. ☐ Mining
2. ☐ Construction
3. ☒ Textiles
4. ☐ Fertilizer
5. ☐ Paper/Printing
6. ☐ Leather Tanning
7. ☐ Iron/Steel Foundry
8. ☐ Chemical, General
9. ☐ Plating/Polishing
10. ☐ Military/Ammunition
11. ☐ Electrical Conductors
12. ☐ Transformers
13. ☐ Utility Companies
14. ☐ Sanitary/Refuse
15. ☐ Photofinish
16. ☐ Lab/Hospital
17. ☐ Unknown
18. ☐ Other (Specify)

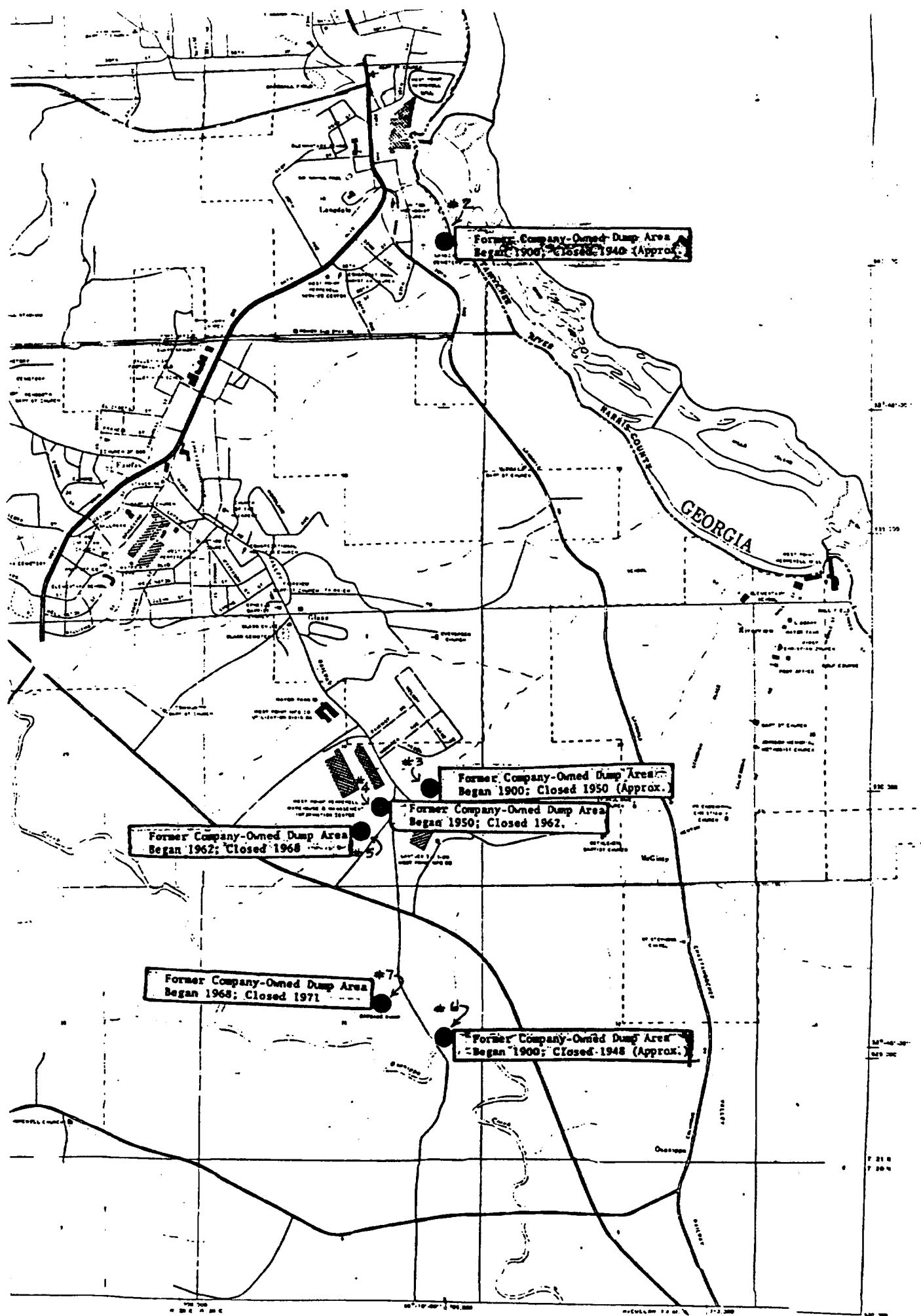
Option 2: This option is available to persons familiar with the Resource Conservation and Recovery Act (RCRA) Section 3001 regulations (40 CFR Part 261).

Specific Type of Waste:

EPA has assigned a four-digit number to each hazardous waste listed in the regulations under Section 3001 of RCRA. Enter the appropriate four-digit number in the boxes provided. A copy of the list of hazardous wastes and codes can be obtained by contacting the EPA Region serving the State in which the site is located.

RECEIVED
EPA/REGION IV
JUN 5 11 56 PM '81
ENFORCEMENT
DIVISION

000201



ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
LAND PROGRAM
19 83 Hazardous Waste Generators Annual Report

5/16

I. Facility ID # A L D 0 0 3 2 7 6 7 6 3

II. Facility Name WEST POINT PEPPERELL, INC., LANGDALE MILL

III. Location of Facility U. S. HIGHWAY 29
(Street or Route Number)

LANGDALE CHAMBERS ALABAMA 36864
City County State Zip Code

IV. Installation Contact J. M. BIRDSONG 205 756-7111
Name Area Code Telephone Number

V. During 19 83 the facility did ☐ did not ☒ generate reportable amounts of hazardous waste. (If you check did not, skip to Item VII.)

VI. Waste Identification:

	A. EPA Waste Number	B. Waste Description	C. Amount of Waste (lbs)	D. Receiving Facility	E. Receiving Facility ID Number	F. Transporter Name	G. Transporter ID Number
1.							
2.							
3.							
4.							
5.							
6.							

VII. Certification:

Signature

J. M. Birdsong

J. M. BIRDSONG

(Print or Type)

Title

ENVIRONMENTAL ENGINEER

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

AL D 003276763

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

NA

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (Include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

NA

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

NA

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES
(Spills/runoff/standing liquids/leaking drums)
03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

NA

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

NA

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

NA

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

NA

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

CERCLA 103 C FILE, CONVERSATION WITH J.M. BIRDSONG OF W.P.P.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
AL D003276763

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

NA

01 ☐ B. SURFACE WATER CONTAMINATION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

NA

01 ☐ C. CONTAMINATION OF AIR

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

NA

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

NA

01 ☐ E. DIRECT CONTACT

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

NA

01 ☐ F. CONTAMINATION OF SOIL

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 AREA POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

NA

01 ☐ G. DRINKING WATER CONTAMINATION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

NA

01 ☐ H. WORKER EXPOSURE/INJURY

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 WORKERS POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

NA

01 ☐ I. POPULATION EXPOSURE/INJURY

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

NA



☐ I. HIGHLY VOLATILE
☐ J. EXPLOSIVE
☐ K. REACTIVE
☐ L. INCOMPATIBLE
☒ M. NOT APPLICABLE

فہرست



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
AL D003276763

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER			
WEST POINT PEPPERELL LANGDALE MILL	LANGDALE CEMETARY AND 20TH AVE			
03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE
LANGDALE	AL	36861	CHAMBERS	017
08 COORDINATES LATITUDE	08 LONGITUDE			
33 48 48	085 10 00			
10 DIRECTIONS TO SITE (Starting from nearest public road)				
TAKE 64TH BLVD TO 20TH AVE. TURN RIGHT. SITE IS BEYOND 67TH ST NEAR LANGDALE CEMETARY				

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)			
WEST POINT PEPPERELL	P.O. Box 71			
03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER	
WEST POINT	GA.	31833	(404) 645-4518	
07 OPERATOR (If known and different from owner)	08 STREET (Business, mailing, residential)			
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER	
			()	
13 TYPE OF OWNERSHIP (Check one)				
<input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL				
<input type="checkbox"/> F. OTHER: _____ <input type="checkbox"/> G. UNKNOWN				

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED: _____ ☒ B. UNCONTROLLED WASTE SITE (CERCLA 103 (c)) DATE RECEIVED: 6/6/81 ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION	BY (Check all that apply)			
<input checked="" type="checkbox"/> YES DATE 12/16/81	<input checked="" type="checkbox"/> A. EPA <input checked="" type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR			
<input type="checkbox"/> NO	<input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____			
CONTRACTOR NAME(S): E & E				

02 SITE STATUS (Check one)	03 YEARS OF OPERATION
<input type="checkbox"/> A. ACTIVE <input checked="" type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN	1900 1940 <input type="checkbox"/> UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

DOMESTIC WASTE

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

NO HAZARDOUS WASTE KNOWN TO BE DISPOSED AT THIS SITE. PAST SITE INVESTIGATION INDICATED NO UNSECURE WASTE MATERIAL.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☒ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NUMBER
STEVE MAURET SLW	ADEP	(205) 271-7708
04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION
DONALD DINSMORE		EPS
	07 TELEPHONE NUMBER	08 DATE
	(601) 922-8242	8/8/85

10/10

REFERENCE 1

REFERENCES

1. Dinsmore, Donalea, EPS. EPA Potential Hazardous Waste Site Preliminary Assessment Form for West Point Pepperell Langdale Mill, Chambers County Alabama. August 8, 1985.
2. Scott-Simpson, Jennifer, Ecology and Environment. EPA Potential Hazardous Waste Site, Site Inspection Report Form for West Point Pepperell Langdale Mill, Chambers County Alabama. December 22, 1981.
3. U.S. Geological Survey, 7.5 minute series Topographic Quadrangle Maps of Alabama: Lanett South ALA-GA 1964, Whitesville GA-ALA 1964 (PR1983). Jones
4. Lanier, Eddie, Manager of Environmental Engineering, Engineering and Environmental Department, West Point Stevens. Letter to Ms. Jennifer K. Walker, RE: Westpoint Stevens Inc.-CERCLIS Sites, February 9, 1995.
5. Walker, Jennifer K; Alabama Department of Environmental Management, Field Operations Division. Telephone Conversation with Mr. Jack Manley; City Manager, City of Valley; RE: Use of property obtained from West Point Pepperell.
6. U.S. Geological Survey. Geohydrology and Susceptibility of Major Aquifers To Surface Contamination in Alabama; Area 5. Tuscaloosa, Alabama 1989
7. Scott-Simpson, Jennifer, Ecology and Environment. Memorandum and attachments RE: West Point Pepperell Site Inspections, January 25, 1982.
8. U.S. Geological Survey Water-Data Report AL-92-1. Water Resources Data, Alabama, Water Year 1992.
9. 1990 Census Report, Selected Population and Housing Characteristics, Chambers County.

Chattahoochee River. The site does not have barriers to prevent access to the site. The population within 1 mile of the site is as follows:

DISTANCE IN MILES	RESIDENCES	POPULATION
0 TO 1/4	68	180
1/4 TO 1/2	99	262
1/2 TO 1	258	684
TOTAL	425	1,126

(Refs. 3,9)

The population was determined by multiplying the county average number of persons per household for Chambers County, 2.65, time the number of residences for each of the distances listed above (Refs. 3,9).

Due to the lack of targets in the study area West Point Pepperell Langdale Mill site poses a minimal threat to human health and the environment under the current HRS model.

6.0 SUMMARY AND CONCLUSIONS

The West Point Pepperell Langdale Mill (Valley Site 2) is currently owned by the city of Valley and is used as a recreational area. There is an old boat ramp located on the property and people come to this area to fish off the bank (Ref. 5). In the area of the site there is a lack of targets for the ground water pathway, surface water pathway and for the soil exposure pathway. Due to the lack of targets under the current HRS model it is recommended that the West Point Pepperell Langdale Mill Site be NFRAPed.

3.2 Groundwater Targets

Within the four mile radius of the site the population is supplied water from a surface water intake located on the Chattahoochee River. Due to the low yield of water from wells dug or drilled in the area groundwater is not used as a public water supply, however that does not eliminate the possibility of domestic wells being used.

3.3 Groundwater Conclusions

The population within the study area is provided water from a surface water intake located on the Chattahoochee River. There does exist the potential that private groundwater wells are still being used for drinking water purposes. Due to the lack of targets in the groundwater pathway West Point Pepperell Langdale Mill site poses a minimal threat to human health and the environment under the current HRS model.

4.0 SURFACEWATER PATHWAY

4.1 Hydrology

In the area of the site there are no outstanding topographic features. Elevations in the area range from 500 to 800 feet above mean sea level. The general direction of surface drainage to the east to the Chattahoochee River (Ref. 7). The average annual discharge of the Chattahoochee River at West Point, Georgia is 5,565 ft³/sec (Ref. 8).

4.2 Surfacewater Targets

There are no surfacewater intakes located within the 15 mile downstream target distance limit. There is a surface water intake located 20 miles downstream from the probable point of entry (Refs. 1,2,7). There are no federally listed threatened or endangered species located in the Chattahoochee River. The Chattahoochee is classified for fish and wildlife.

4.3 Surfacewater Conclusions

Due to the lack of targets along the surfacewater pathway West Point Pepperell Valley Site 2 poses a minimal threat to human health and the environment, under the current HRS model.

5.0 SOIL PATHWAY AND AIR EXPOSURE

The exact size of the landfill is unknown. It is estimated that 15,000 cubic yards of domestic waste was disposed of in the landfill from 1900 to 1940 (Refs. 1,2,7). The site is bound to the east by the

1.0 INTRODUCTION

Under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA) and a cooperative agreement between the U.S. Environmental Protection Agency and the Alabama Department of Environmental Management (ADEM), a Site Investigation Prioritization (SIP) was conducted at West Point Pepperell Langdale Mill (Valley Site 2) in Langdale, Chambers County, Alabama. The purpose of this investigation was to collect information concerning conditions at the site sufficient to assess the threat posed to human health and the environment and to determine the need for additional investigation under CERCLA/SARA or other action, and if appropriate, support the site evaluation using the Hazard Ranking System (HRS) for proposal to the National Priorities List (NPL). The investigation included reviewing previous reports and telephone conversations to fill in data gaps.

2.0 SITE DESCRIPTION

The West Point Pepperell Langdale Mill (Valley site 2) is located in Langdale, Chambers County, Alabama. Geographical coordinates for the site are 32°48'48.00" latitude and 85°10'0.00" longitude (Refs. 1,2,3). Valley site 2 was used from 1900 to 1940 for the disposal of domestic waste and possibly less than 55 gallons of industrial waste (Refs. 1,2,7). West Point Pepperell was responsible for picking up local residents domestic waste and for disposing the waste in the landfill. It is not known if hazardous materials were disposed of in the landfill, but it is estimated that approximately 15,000 cubic yards of domestic waste was disposed of in the landfill during its 40 years of operation (Refs. 1,2,7). Valley site 2 is approximately 200 feet from the Chattahoochee River (Refs. 1,2,3,). West Point Pepperell sold the property to the City Of Valley (Refs. 4,5).

3.0 GROUNDWATER PATHWAY

3.1 Hydrogeology

Alabama is divided into three physiographic provinces, the Piedmont, Plateau, and Coastal Plain. West Point Pepperell Valley site 2 lies within the Piedmont Province (Refs. 6,7) Crystalline rocks of the Opelika Plateau Region of the Piedmont Province occur in Lee and Chambers Counties in a series of folded and faulted parallel belts that form the southwestern termination of the Appalachian Region. These belts are part of the continental basement, pre-Cambrian clastic sediments that have been altered by several stages of regional metamorphism to slate, phyllite, mica schist, mica and granite gneiss, quartzite, mylonite, and dolomite. These rocks are dense, compact, and massive, but they contain fractures and joints that can extend to a depth of 300 feet below the surface (Ref. 6,7).

These basement rocks are generally concealed by a weathered thick mantle of saprolite and soil that makes geologic mapping difficult, although unweathered igneous and metamorphosed rocks are exposed in some areas. Examination of covering material can be helpful for identification and classification of the basement rocks. Generally, the water table is found in bedrock in the uplands, and in the soil or saprolite in the valleys. Water wells, whether dug or drilled, all have low yields (Ref. 6,7).

**SITE INVESTIGATION PRIORITIZATION
WEST POINT PEPPERELL LANGDALE MILL
LANGDALE, CHAMBERS COUNTY, ALABAMA
ALD 003276763**

NFRAP APPROVED
BT 7/2/95


**PREPARED BY:
JENNIFER K. WALKER
ADEM FIELD OPERATIONS DIVISION**

**REVIEWED BY:
JOHN C. CHITWOOD
ADEM FIELD OPERATIONS DIVISION**

ADEM

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Fob James, Jr.
Governor

John M. Smith, Director

June 1, 1995

Mailing Address:
PO BOX 301463
MONTGOMERY AL
36130-1463

Physical Address:
1751 Cong. W. L.
Dickinson Drive
Montgomery, AL
36109-2608

(334) 271-7700
FAX 270-5612

Mr. Brian Farrler
EPA CERCLA PA/SI Regional Project Officer
Site Investigation Support Section
Waste Management Division
U.S. EPA, Region IV
345 Courtland Street
Atlanta, Georgia 30365

RE: Site Investigation
Prioritization
West Point Pepperell
Valley, Chambers County,
Alabama

Field Offices:

110 Vulcan Road
Birmingham, AL
205-944-4702

242-6168
FAX 944-1603

400 Well Street, NE
P.O. Box 953
Decatur, AL
35602-0953
(205) 353-1713
FAX 340-9359

2204 Perimeter Road
Mobile, AL
36615-1131
(334) 450-3400
FAX 479-2593

Dear Mr. Farrler:

Enclosed is the SIP Scoresheet, SIP Narrative and References for West Point Pepperell in Valley Alabama. If you have any questions regarding this report, please contact me at (334) 260-2715.

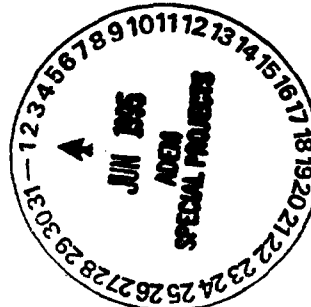
Sincerely,

Jennifer K. Walker
Jennifer K. Walker
Compliance Section
Field Operations Division

JKW/km

Enclosure

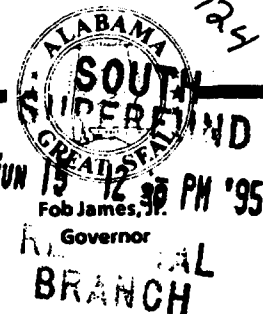
c: Jymalyn Redmond



25124

ADEM

**ALABAMA
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**



John M. Smith, Director

June 5, 1995

Mailing Address:
PO BOX 301463
MONTGOMERY AL
36130-1463

Physical Address:
1751 Cong. W. L.
Dickinson Drive
Montgomery, AL
36109-2608

(334) 271-7700
FAX 270-5612

Mr. Brian Farrier
CERCLA PA/SI Regional Project Officer
USEPA Region IV
345 Courtland Street, N.E.
Atlanta, Georgia 30365

Dear Mr. Farrier:

Enclosed, you will find a Site Investigation Prioritization report for the following:

Field Offices:

West Point Pepperell-Langdale Mill

110 Vulcan Road
Birmingham, AL
35209-4702
(205) 942-6168
FAX 941-1603

400 Well Street, NE
P.O. Box 953
Decatur, AL
35602-0953
(205) 353-1713
FAX 340-9359

2204 Perimeter Road
Mobile, AL
36615-1131
(334) 450-3400
FAX 479-2593

Please advise us when this report has been evaluated and a determination has been made concerning its acceptability.

Should you have questions or require assistance in evaluating this report, please do not hesitate to contact our staff.

Sincerely,

Jymalyn E. Redmond, Chief
Site Assessment Unit

JER/tpc





WESTPOINT STEVENS


February 9, 1995

Ms. Jennifer Walker
Alabama Department of Environmental Management
1751 Dickinson Drive
Montgomery, AL 36109-2608

Re: WestPoint Stevens Inc. - CERCLIS Sites

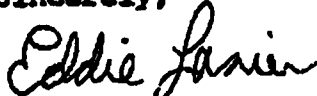
Dear Ms. Walker:

Following is a listing for all sites that were identified by WestPoint Pepperell in 103C notifications. As we discussed by phone, WestPoint Stevens (formerly WestPoint Pepperell) does not currently own all of the sites. Also note that the 103C notifications do not use the same names that are on the current CERCLIS list. I am using the site names from the original 103C's that are referenced on the map you have.

1. Valley Site No. 1 - owned by the City of Lanett.
Bobby Williams - City Manager
334-644-2141
2. Valley Site No. 2 - owned by the City of Valley.
Jack Manley - City Manager
334-756-3131
3. Valley Site No. 3 - Current owner:
J. R. Dudley, Jr.
(b)(6) Personal Privacy

4. Valley Site No. 4 - owned by WestPoint Stevens
5. Valley Site No. 5 - owned by WestPoint Stevens
6. Valley Site Nos. 6 & 7 - owned by J. R. Dudley, Jr.
(see Site No. 3)

If you need additional information, please let me know.

Sincerely,



Eddie Lanier
Manager of Environmental Engineering
Engineering & Environmental Department

LEL:si

REFERENCE 5

FIELD OPERATIONS DIVISION
TELEPHONE CONVERSATION RECORD

Date: May 25, 1995
Time: 10:35
Conversation with: Mr. Manley Valley City Manager (334) 756-3131
Regarding: Property near Landale Mill
Facility or Company: City of Valley
Summary: Property was given to the city of Valley, about 1 year ago, by West Point Pepperell which is now West Point Stevens. Mr. Manley stated that the property is used for a recreational area. There is one very old boat ramp on the property. People come to the area to fish off the banks. The state of Georgia has offered to use money received from FEMA to improve the "recreational area". There are no buildings present on site.

Signature:

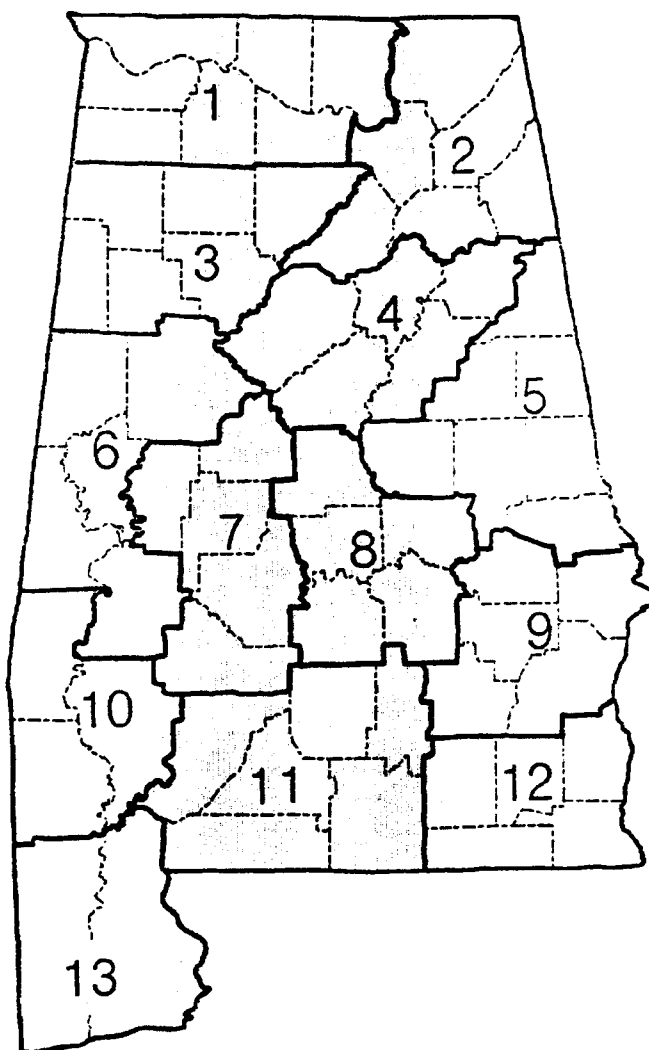
Jennifer K. Walker

File:

West Point Pepperell #0079

REFERENCE 6

GEOHYDROLOGY AND SUSCEPTIBILITY OF MAJOR AQUIFERS TO SURFACE CONTAMINATION IN ALABAMA; AREA 5



Prepared by
U.S. GEOLOGICAL SURVEY
in cooperation with the
**ALABAMA DEPARTMENT OF
ENVIRONMENTAL MANAGEMENT**

GEOHYDROLOGY AND SUSCEPTIBILITY OF AQUIFERS
TO SURFACE CONTAMINATION IN ALABAMA; AREA 5

by Robert E. Kidd

U.S. GEOLOGICAL SURVEY

Water-Resources Investigations Report 88-4083



Prepared in cooperation with the
ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Tuscaloosa, Alabama

1989

DEPARTMENT OF THE INTERIOR
DONALD PAUL HODEL, Secretary
U.S. GEOLOGICAL SURVEY
Dallas L. Peck, Director

For additional information
write to:

District Chief
U.S. Geological Survey
520 19th Avenue
Tuscaloosa, Alabama 35401

Copies of this report can be
purchased from:

U.S. Geological Survey
Books and Open-File Reports
Box 25425
Federal Center, Building 810
Denver, Colorado 80225

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GEOHYDROLOGY AND SUSCEPTIBILITY OF AQUIFERS TO SURFACE CONTAMINATION IN ALABAMA; AREA 5

by Robert E. Kidd

ABSTRACT

The U.S. Geological Survey, in cooperation with the Alabama Department of Environmental Management, is conducting a series of geohydrologic studies to delineate recharge areas of the major aquifers in Alabama and their susceptibility to contamination. This report delineates and describes the geohydrology and susceptibility of the aquifers to contamination in Area 5--Chambers, Clay, Cleburne, Coosa, Lee, Randolph, and Tallapoosa Counties.

Little ground water is used for public water supplies in Area 5. Ground-water withdrawals for public supply in 1985 was 0.88 million gallons per day. Most cities and towns that formerly used ground water, presently use surface water. None of the sedimentary rocks or unconsolidated deposits are tapped by public-supply wells, and none of the igneous and metamorphic rocks are considered a major aquifer because of low yields.

Aquifers in the study area are susceptible to surface contamination throughout their entire outcrop area. Areas that are highly faulted and valley areas where ground water is at or near land surface have potential to be highly susceptible to surface contamination.

INTRODUCTION

The Alabama Department of Environmental Management (ADEM) is developing a comprehensive program in Alabama to protect ground water defined by the U.S. Environmental Protection Agency (EPA) as "Class I and II" from surface contamination (U.S. Environmental Protection Agency, 1984). The U.S. Geological Survey, in cooperation with ADEM, is conducting a series of geohydrologic studies in Alabama to delineate recharge areas of the major aquifers and areas susceptible to contamination. This report summarizes these factors for aquifers in Area 5--Chambers, Clay, Cleburne, Coosa, Lee, Randolph, and Tallapoosa, Counties (fig. 1).

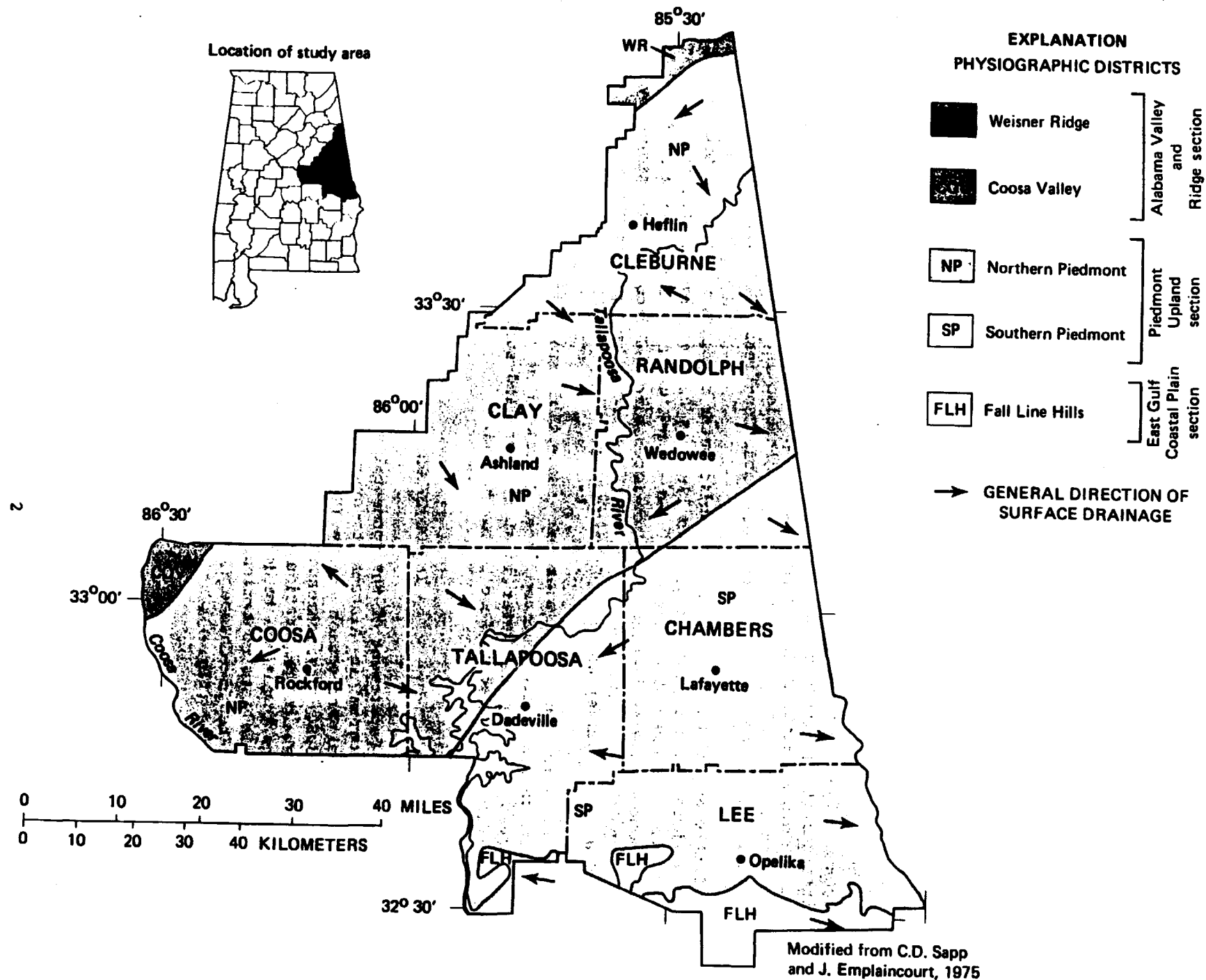


Figure 1.--Physiography and surface drainage of the study area.

County are in the Northern Piedmont Upland district (fig. 1). Surface drainage in the district generally is south to the Tallapoosa River and southwest to the Coosa River (fig. 1).

There is a gradual transition in physiography from the Northern Piedmont Upland district to the Southern Piedmont Upland district. The Southern Piedmont Upland district is characterized by a rolling topography indicative of a dissected peneplain of advanced erosional maturity (Chandler and Lines, 1974). The land surface of the district ranges in altitude from about 500 to 900 feet above sea level and averages about 800 feet above sea level. Most of Chambers and Lee Counties, the southeastern part of Randolph County, and most of Tallapoosa County east of the Tallapoosa River are in this district. Surface drainage in the district generally is southwestward to the Tallapoosa River and southeastward to the Chattahoochee River.

The third physiographic province in the study area is the Coastal Plain. The Fall Line Hills district of the East Gulf Coastal Plain section is characterized by relatively flat to gently rolling uplands and broad, gently sloping valleys. The land surface ranges in altitude from about 350 to 650 feet above sea level and local relief is usually less than 100 feet. Surface drainage is south and southeastward to the Chattahoochee River, and southward and southwestward to the Tallapoosa River. The southernmost part of Lee County is in the Fall Line Hills district.

Previous Geologic and Hydrologic Studies

Henry McCalley studied and mapped the crystalline rocks of Alabama from 1901 to 1904. Adams subdivided the crystalline rocks into informal belts and formal units and these subdivisions are used in this report (Adams and others, 1926). Baker (1957) described the geology and ground water of the Piedmont area. Clarke (1963) reported on residual clays and rock weathering as related to rock types. Joiner and others (1967) and Scarbrough and others (1969) reported on using geophysical methods in prospecting for ground water in the Piedmont area.

Studies on the availability of water in each county in the study area were made by Lines and Scott (1972), Chandler and others (1972), Scott and Lines (1972), Chandler and Lines (1974, 1978a, 1978b), and Lines and Chandler (1975). Much of this report is based on data in these water availability studies. Chandler (1976) discussed the aquifers of the Piedmont and their potential yields.

Acknowledgments

Special appreciation is extended to the waterworks managers in the study area who helped locate public-supply wells and furnished information on well construction and water use.

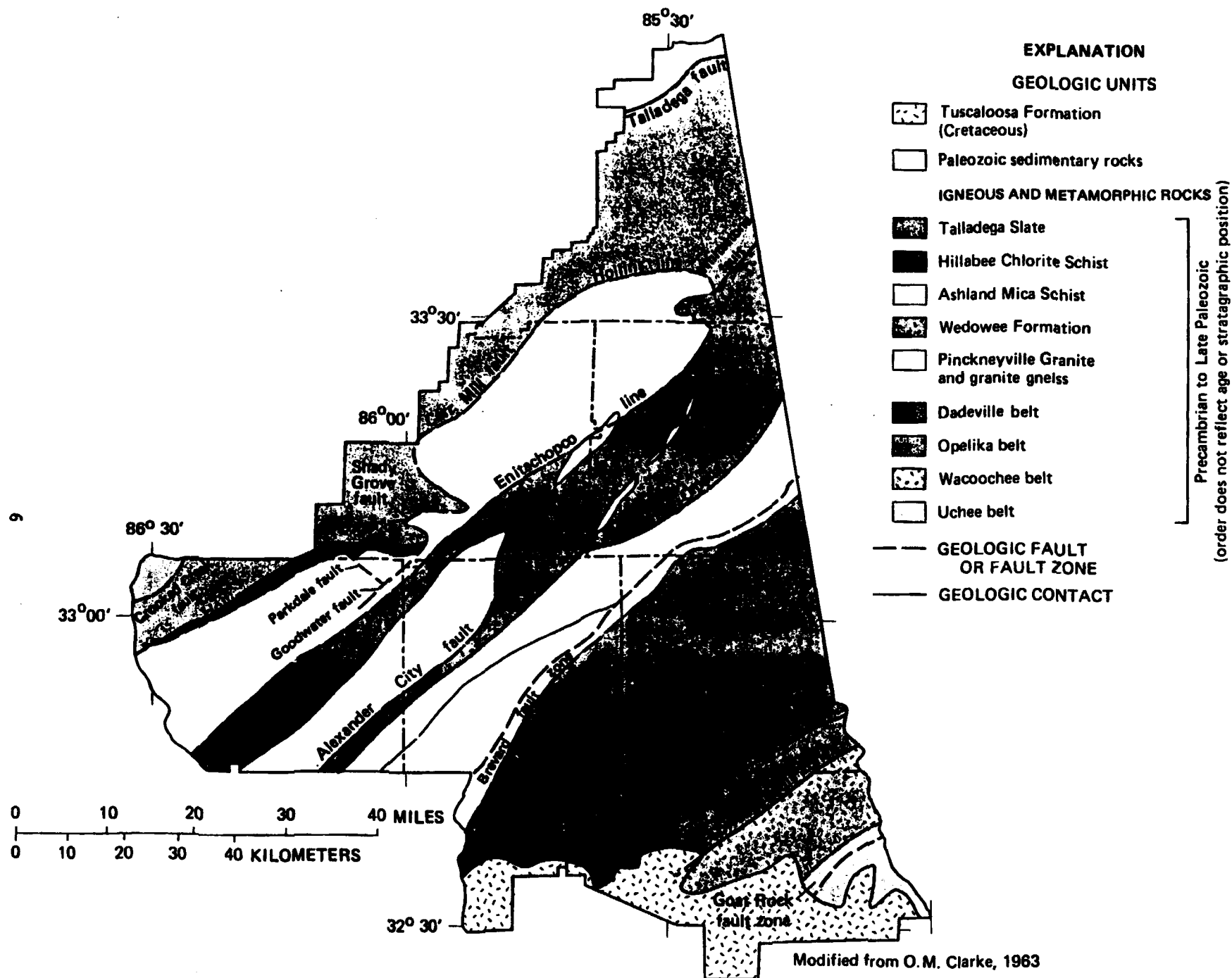


Figure 2.--Generalized geology of the study area.

The Hillabee has been used as a source of water in the past (Baker, 1957), but presently is not used as a public water-supply source in the study area because of small yields. Well yields are generally less than 10 gal/min.

Ashland Mica Schist

The Ashland Mica Schist crops out in two belts about 4 to 15 miles in width and strikes northeastward across the central part of Area 5 (fig. 2). Foliations generally dip southeastward from 30 to 65 degrees (Chandler and others, 1972).

The rocks that compose the Ashland include muscovite and quartz-muscovite schists with some graphite, hornblende schist and gneiss, chlorite schist, granitic gneiss, and biotite augen gneiss (Deininger and others, 1964). The average thickness of saprolite is about 50 feet.

Public water supplies for the towns of Lineville and Ashland were formerly obtained from the formation (table 2). These towns presently use surface water for their supplies. The town of Wadley currently obtains its water supply from the Ashland Mica Schist.

Public supply wells completed in the Ashland range from 100 to 340 feet in depth and generally yield from 10 to 15 gal/min. However, yields of more than 50 gal/min are obtained from some wells.

Wedowee Formation

The Wedowee Formation crops out in two northeastward trending belts extending from southern Coosa County across northwest Tallapoosa, southeastern Clay, central Randolph Counties, and into southeastern Cleburne County (fig. 2). Foliations in the rocks generally dip southeastward 45 to 90 degrees. The formation is a phyllite with some beds of micaceous quartzite. The phyllite contains finely crystalline graphite as a minor constituent. The rocks of the Wedowee have been partly replaced by granites (Deininger and others, 1964). The phyllite adjacent to the granites have been metamorphosed to quartz-mica schist. Saprolite thickness of 50 feet or more is common on upland draws and on concave slopes adjacent to streams (Lines and Chandler, 1975).

Yields to wells that tap the formation generally are about 15 gal/min. However, yields greater than 50 gal/min were reported. Depth of wells range from about 100 to 350 feet. The Wedowee Formation is the source of water for the towns of Woodland and Wedowee.

Pinckneyville Granite and Granite Gneiss

The Pinckneyville Granite, the largest granitic mass in Alabama, is 6 to 10 miles wide and 40 miles long (Clarke, 1963). The outcrop of the Pinckneyville trends northeast from south-central Coosa County and northwestern Tallapoosa County to the southern part of Clay County. Related granitic intrusions occur along the projection of the formation into Clay and Randolph

Wacoochee Belt

The rocks of the Wacoochee belt crop out southeast of the Opelika belt in Lee County (fig. 2). This belt is about 10 miles wide and trends north-eastward. Foliation planes of the metamorphic rocks dip southeastward. These rocks consist predominantly of garnetiferous-biotite schist and quartz-muscovite schist with some granite gneiss, biotite augen gneiss, quartzite, marble and dolomite. The thickness of the saprolite ranges from 10 to 200 feet and averages about 50 feet.

Wells generally yield less than 25 gal/min. One well that taps rocks of the Wacoochee belt yields more than 2,000 gal/min (Scott and Lines, 1972). This well may penetrate either solution cavities in dolomite or large fractures in quartzite. Well depths range from about 150 to 300 feet. The towns of Auburn, Smiths, and Beauregard have wells completed in rocks of the Wacoochee belt. A spring that discharges from the Wacoochee unit is used for an emergency water supply for Opelika. Auburn and Opelika use surface water as their principal source of water supply.

Uchee Belt

The rocks of the Uchee belt crop out in Lee County southeast of the Wacoochee belt (fig. 2). These rocks are predominantly biotite and hornblende gneiss and granite gneiss. The granitic gneiss is commonly mylonitized and may be associated with the Goat Rock fault (Deininger and others, 1964). No public supply wells tap the rocks of the Uchee belt.

Sedimentary Rocks of Paleozoic Age

Paleozoic rocks of Cambrian age crop out northwest of the Talladega fault in northernmost Cleburne County (fig. 2). The Weisner Formation, owing to its hardness and resistance to erosion, forms ridges. The Weisner consists of quartzite, sandstone, conglomerate, and sandy shale. The Shady Dolomite overlies the Weisner Formation and crops out in several narrow bands. The Shady consists of fine-grained medium- to thick-bedded limestone and dolomite. The Weisner and Shady are not tapped by any public-supply wells.

The Newala Limestone of Ordovician age and the Floyd Shale and Parkwood Formation of Mississippian age crop out northwest of the Crooked Creek fault in the extreme northwest corner of Coosa County (plate 1). The Newala consists of micritic limestone and dolomite. The Floyd Shale is dark gray shale with rare interbeds of argillaceous limestone. The Parkwood Formation consists of interbedded shale and fine-grained, argillaceous sandstone. None of these sedimentary rocks are tapped for public water supply in Coosa County.

Sedimentary Deposits of Cretaceous Age

Deposits of the Tuscaloosa Formation of Late Cretaceous age are exposed in the southernmost part of the study area in southern Tallapoosa and Lee Counties (fig. 2). The Tuscaloosa Formation unconformably overlies the pre-Cretaceous igneous and metamorphic rocks. The Tuscaloosa consists of

The movement of ground water in the aquifers is controlled by several factors: topography; the character and thickness of the saprolite; and the number, size, and pattern of fractures in crystalline rock that underlie the saprolite. The direction of ground-water movement is controlled mainly by topography. Movement generally is from hilltops and uplands to stream valleys. The water table generally conforms to topography, but has less relief. The water table generally is 30 to 100 feet below land surface on hilltops and hillsides, but is at or near land surface in stream valleys and draws.

The saprolite acts as a sponge absorbing water from rainfall and runoff, feeding it steadily below to fractures in the bedrock. The importance of the saprolite as a ground-water reservoir depends mostly on its thickness. Saprolite generally is thickest in draws, valleys, and flat uplands underlain by marble, schist, or gneiss; and it is generally thinnest on ridges and hilltops underlain by quartzite or granite (Scott and Lines, 1972). Under a given set of conditions, the depth of weathering increases with the solubility of rocks. The carbonate rocks of the Wacochee belt generally have the thickest saprolite that overlies bedrock.

Fractures in rock generally decrease in size and in number with depth, and interconnecting fractures rarely occur at depths greater than 200 feet (Lines and Scott, 1972). The fractures in the bedrock of the aquifer may be joints, openings along planes of schistosity, or other openings such as fault planes or fault zones. The dip of the schistosity controls the direction of seepage and the degree and depth of weathering. Most fractures in the study area are steeply dipping to vertical and generally have definite alignments. The fractures in the bedrock, enlarged by weathering and solution, are probably the avenues along which the greatest amounts of ground water move in the aquifers.

Figure 3 shows schematically the general ground-water movement in the study area. Rain that seeps into the ground moves downward through the soil. After the soil moisture requirements have been met, the water moves downward to the water table and then laterally to discharge points or down gradient. If the water table is within the saprolite, water moves laterally along the top of bedrock until it intersects fractures and moves deeper or to discharge points. The path from recharge to discharge areas may be direct or circuitous, depending on the pattern of fractures or solution features.

Recharge to the aquifers may also occur from movement of surface water into the aquifers as a result of pumpage. Under natural conditions, ground water in an aquifer discharges to streams and lakes. Withdrawal of water from a well intercepts some of this ground-water discharge. If pumpage of aquifers that are hydraulically connected to streams or lakes reduces the head in the aquifer below the level of the water surface, induced recharge will occur. The amount of water that can be induced into the aquifer depends on the permeability of the streambed, the degree of hydraulic connection between river and aquifer, the transmissivity of the aquifer, and the hydraulic gradient created by the pumped well.

Natural Discharge and Ground-Water Withdrawals

Discharge from the aquifers occurs as seeps and springs at land surface that provide base flow to streams, and as withdrawals from wells. The small areal extent of aquifers and the limited depth of ground-water circulation result in relatively rapid movement of ground water from areas of recharge to areas of discharge.

Little ground water is used for public water supplies in Area 5. Many cities and towns in the area that formerly used ground water use surface-water sources because of the limited amount of ground water production from wells, and because of water-quality problems associated with ground water in the area.

Ground-water withdrawals in million gallons per day (Mgal/d) for public water systems in the study area in 1985 by county were: Chambers, 0.00; Clay, 0.00; Cleburne, 0.03; Coosa, 0.04; Lee, 0.55; Randolph, 0.25; and Tallapoosa, 0.01. Ground water is also used for domestic, stock, industrial, and irrigation purposes. The total amount of ground water used for public supply in the study area was 0.88 Mgal/d in 1985. The total withdrawals of ground water for all uses in the study area in 1985 were estimated to be about 8.6 Mgal/d (Baker and Mooty, 1987).

Effects of Withdrawals from the Aquifers

Large long-term withdrawals of water from the aquifers may result in the formation of depressions on the potentiometric surfaces of the aquifers. There are no known extensive depressions on the potentiometric surfaces of the aquifers in Area 5. Depressions on the water surfaces in aquifers caused by pumpage could induce recharge by vertical leakage from overlying saturated zones. Recharge could also be induced by pumpage in areas along major rivers where aquifers are hydraulically connected to streams.

SUSCEPTIBILITY OF THE AQUIFERS TO SURFACE CONTAMINATION

The potential for aquifer contamination exists in all of the aquifers in Area 5. Sources of contamination may be point sources, such as leaking waste ponds, or nonpoint sources, such as heavily treated agricultural areas. Areas that have potential for surface contamination are categorized by areas that are susceptible and highly susceptible (plate 1). Some general comments concerning the fate of any contaminants that enter the ground-water system can also be made.

The aquifers in the study area are recharged throughout their outcrop and any contaminants present in the recharge area of an aquifer may enter that aquifer (plate 1). Consequently, the aquifers are susceptible to contamination throughout their entire outcrop area. Susceptibility is least in areas where there are thick soils and saprolite, which serve as natural filters that prevent or retard the entrance of contaminants into the water-bearing rocks.

SELECTED REFERENCES

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REFERENCE 7



ecology and environment, inc.

4319 COVINGTON HIGHWAY, DECATUR, GEORGIA 30035, TEL. 404-288-7711

International Specialists in the Environmental Sciences

MEMORANDUM

DATE: January 25, 1982

TO: Joel Veater, Project Officer
Air & Hazardous Materials Division
U.S. Environmental Protection Agency

cc: Harold Taylor, Superfund Coordinator
Alabama Division of Solid and Hazardous Waste

FROM: Jennifer Scott-Simpson, E&E *JSS*

SUBJECT: West Point Pepperell Site Inspections

REFERENCE: TDD # F4-8111-02

On December 16, 1981, a meeting was held in Lanett, AL between Harold Taylor, AL Division of Solid & Hazardous Waste, Joel Veater, EPA, Jennifer Scott-Simpson and Charles Lee, E&E, and representatives of West Point Pepperell (WPP). The participants from WPP were as follows: J. M. (Matt) Birdsong, Charlie Taylor, and Carl Summers. The purpose of this meeting was to conduct a preliminary inspection of the sites that WPP submitted to EPA under the requirements of CERCLA Section 103 (c). Two sites located in Lee County and seven sites located in Chambers County, Alabama were subject to this review. Mr. Birdsong and Mr. Taylor accompanied the investigators throughout all the site visits, and these two gentlemen were a primary source of information used for assessing the hazards associated with these sites.

The seven sites in Chambers County were found to be inactive landfills used primarily for disposal of domestic wastes collected from the communities surrounding the WPP mills. The reason for notifying EPA of these sites was that WPP felt there was a chance that more than 55 gallons of industrial waste (potential hazardous waste) might have accumulated in these landfills during their years of operation. All the landfills are now closed and superficially appear stable. Without further evidence of disposal of hazardous waste at any one of these seven landfills, it is recommended that no further action be taken on these sites. This recommendation is supported by observations of the investigators which noted stable and secure disposal of wastes.

One of the two sites in Lee County is also assessed as requiring no further action. This site is an inactive landfill used for domestic wastes, according to WPP representatives. The WPP Griffitex Chemical Plant is now located on top of the landfill and representatives stated that there have been no problems associated with the old landfill.

The other Lee County site, located off U.S. Highway 280 and named "Opelika Site #2", will require further investigation. The site is an inactive landfill (operated from 1900 to 1972) constructed on the side of a hill, reportedly used for disposal of domestic wastes. During the site visit, Harold Taylor, Joel Veater and the author observed numerous (100+) 55 gallon drums on the steep, northern embankment of the fill. The drums were rusting and appeared empty. The origin and former uses of the 55 gallon drums were not determined during the site visit. At the base of this hillside there is a stream that had no visible indication of contamination. No leachate streams were noted on the embankment. Vegetation downgradient from the fill did not appear to be stressed; instead, growth was abundant. Erosion on this side of the landfill was severe in several places, particularly on the northeastern corner of the fill. The top of the landfill was covered with kudzu so the adequacy of cover over this portion of fill could not be readily assessed. Inadvertent human exposure to this landfill is expected to be minimal because WPP has placed a gate across the entrance road. Also, there is a zone of forested land between the site and the nearest home which is over 0.25 mile from the landfill.

To begin to fully characterize this site, it would be necessary to determine if the drums once contained a hazardous waste that is now migrating off the site. Soil around the aging drums and sediment in the adjacent stream, which receives some of the landfill's surface runoff, may be the primary indicators of long-term exposure to contaminants associated with the fill. The landfill has been closed for approximately nine years, so it is unlikely that contaminants would be seen in significant concentrations in an aqueous sample. The soil and sediment samples are more likely to provide some indication of contaminants, if any, that are leaving the site. The results of the sample analyses would direct the next steps of the investigation of Opelika Site #2. In any case, it is recommended that the landfill be properly closed and all wastes stabilized using the State's procedures dictated by either the solid waste or hazardous waste regulations.

SUMMARY

Nine sites in Chambers and Lanett Counties, Alabama were inspected for a preliminary hazard assessment. Eight of these sites were found to pose no immediate threat to human health or the environment. The remaining site, named Opelika Site #2, was assessed as requiring further investigation to determine if a hazard exists. This site, a small landfill, will need a proper closure and waste stabilization plan in accordance with State regulations. The decision to follow solid or hazardous waste regulations will have to be made after the type of waste in the fill is more clearly defined.

GEOLOGY

Alabama can be divided into three major physiographic provinces (Fig. 1), the Piedmont, Plateau, and Coastal Plain. Crystalline rocks of the Opelika Plateau Region of the Piedmont Province occur in Lee and Chambers Counties in a series of folded and faulted parallel belts that form the southwestern termination of the Appalachian Region (Fig. 2). These belts of deformed rocks are part of the continental basement, pre-Cambrian clastic sediments that have been altered by several stages of regional metamorphism to slate, phyllite, mica schist, mica and granite gneiss, quartzite, mylonite, and dolomite. These rocks are dense, compact, and massive, but they contain fractures and joints that can extend to a depth of 300 feet below the surface.

These basement rocks are generally concealed by a weathered thick mantle (greater than 100 feet thick in some locations) of saprolite and soil that makes geologic mapping difficult, although unweathered igneous and metamorphosed rocks are exposed in some areas. Examination of covering material can be quite helpful for identification and classification the basement rocks. Soil surveys by the U.S. Department of Agriculture in cooperation with the State of Alabama have provided helpful data on soil types and associations, and soil data for specific sites is included in this report.

Generally, the water table is found in bedrock in the uplands, and in the soil or saprolite in the valleys. Water wells, whether dug or drilled, all have low yields (about 40 gpm average maximum). Water obtained from springs or wells in the Piedmont is relatively free of dissolved minerals.

TOPOGRAPHY

There are no outstanding topographic features in the study area. Elevations range from 500 to 800 feet above mean sea level with relief over the area a maximum of approximately 300 feet. Most of the land is nearly level to gently sloping, but some steep (approximately 25 percent) slopes exist.

General Geologic History

The oldest known rocks in this area belong to the basement complex of Archean (early Pre-Cambrian) age. According to Adams and others (1926) these Archean rocks had been peneplained before Cretaceous formations had been deposited over them. Subsequent erosion of the Cretaceous formations re-exposed the ancient surface and revived the process of erosion of the basement rocks. The Archean surface has since been eroded and incised by tributaries of the Chattahoochee River down to as much as 200 feet below the general surface.

9/16

Valley Site #1

Soils

Ba - Buncombe loamy sand. Parent material is alluvium from Piedmont granite and gneiss. This soil is found on nearly level (0-6 percent) flood plains along the Chattahoochee River. The soil is well drained and deep (up to 84 inches). Permeability is high, the moisture-holding capacity is quite low, and the internal drainage is rapid to very rapid, although surface runoff is slow. This soil contains very little organic material, and is not very fertile. Despite the low organic content, the soil is strongly acidic.

Ch - Congaree loam. Parent material for this loam is Alluvium from granite and gneiss of the Piedmont Plateau. The soil is found on nearly level (0-2 percent) flood plains along streams. The soil is deep (up to 60 inches), friable, and well drained. Permeability is high, moisture-holding capacity is moderate, and the internal drainage is medium to rapid, although surface runoff is slow. Fertility is moderate and the soil is highly productive. Although organic content is low, the soil is strongly acidic.

Valley Site #2

Soils

LkF - Louisa stormy sand loam, steep phase. Parent material for this soil is the mica and quartz-mica schist of the Piedmont. This soil is found on strongly sloping to steep (up to 25 percent slopes). It is well drained, and shallow to very shallow. Permeability is just moderate, moisture-holding capacity is low, and surface-runoff is moderately rapid. Erosion of areas with sparse plant cover is prevalent. This soil contains considerable amounts of rock fragments. The organic content is low because the prime growth is from pines. Fertility is low, and the soil is strongly acidic.

Valley #3,4, and 5

Soils

MbC3 - Madison gravelly clay loam, severely eroded sloping phase. Parent material for this soil is mica schist and quartz mica schist of the Piedmont. The soil is found on moderately steep slopes up to 10 percent. It is moderately deep (up to 4 feet) and well drained. Permeability and moisture-holding capacity are moderate, and surface runoff is more rapid on the steeper slopes. Surface soil is slightly sticky when wet. Erosion is moderate to severe. The organic content is low although the soil is moderately fertile and strongly acidic.

Valley #3, 4, and 5 lie within areas designated on the soils Map as Ga, gullied land. This land consists of slopes up to 25 percent in steep, rough areas. Before the profiles were destroyed, these areas consisted of Madison (MbC3) soil. The parent material was mica schist and quartz mica schist. the outstanding feature of these gullied areas is that internal drainage is usually good, but little water enters the soil, when it exists, because runoff is rapid to excessive.

Valley #6

Soils

Ce-Chewacla sandy loam. Parent material is sediment washed from the Piedmont crystalline rocks and deposited along streams. The soil is found on level to nearly level (0-2 percent) slopes on flood plains. It is deep and moderately well drained. The soil is moderately permeable and its moisture-holding capacity is adequate for commonly grown plants. Runoff is slow on the surface, and overflow occur frequently, sometimes accompanied by scouring. Organic matter is sparse although acid content is high and the soil is not very fertile. Cultivated crops are inhibited by the impaired drainage.

Valley #7

Soils

MbD3 - Madison gravelly clay loam, severely eroded strongly sloping phase. Parent material is mica schist and quartz mica schist of the Piedmont. The soil is found on severely eroded slopes up to 15 percent. It is moderately deep (up to 40 inches) and well drained. Permeability and internal drainage is moderate. Surface runoff is rapid. Sheet and gully erosion are active and hard to control. Moisture relations are generally poor and the soil is not suitable for cultivation. Organic content is low and acidity is strong.

Ce-Chewacla sandy loam. Parent material is sediment washed from the Piedmont crystalline rocks. The soil is found on level to nearly level (0-2 percent) slopes on flood plains. It is deep and moderately well drained. The soil is moderately permeable and the moisture-holding capacity is adequate for common plants. Surface runoff is slow and overflow frequently occur, sometimes accompanied by scouring. Organic matter is sparse and the acidity strong. The soil is not very fertile and the crops are further inhibited by the impaired drainage.





United States
Environmental Protection
Agency
Washington DC 20460

This initial notification information is required by Section 103(c) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 and must be mailed by June 9, 1981.

Please type or print in ink. If you need additional space, use separate sheets of paper. Indicate the letter of the item which applies.

810608

ALS 000001142

A Person Required to Notify:

Enter the name and address of the person or organization required to notify.

Name West Point Pepperell, Inc.

Street P. O. Box 71

City West Point

State GA

Zip Code 31833

B Site Location:

Enter the common name (if known) and actual location of the site.

Name of Site Valley Site #2

Street

Street Langdale Cemetery 120th Ave

City **Langdale**

County Chambers

State A1

Zip Code **36864**

C Person to Contact:

Enter the name, title (if applicable), and business telephone number of the person to contact regarding information submitted on this form.

Name (Last, First and Title) **Birdsong, J. M., Supervisor**

Phone (205) 756-7111

X-2570

D Dates of Waste Handling:

Enter the years that you estimate waste treatment, storage, or disposal began and ended at the site.

From (Year) 1900

To (Year) 1940

E Waste Type: Choose the option you prefer to complete

Option 1: Select general waste types and source categories. If you do not know the general waste types or sources, you are encouraged to describe the site in Item I—Description of Site.

General Type of Waste:
Place an X in the appropriate boxes. The categories listed overlap. Check each applicable category.

1. ☐ Organics
2. ☐ Inorganics
3. ☐ Solvents
4. ☐ Pesticides
5. ☐ Heavy metals
6. ☐ Acids
7. ☐ Bases
8. ☐ PCBs
9. ☐ Mixed Municipal Waste
10. ☒ Unknown
11. ☐ Other (Specify)

Source of Waste:
Place an X in the appropriate boxes.

1. ☐ Mining
2. ☐ Construction
3. ☒ Textiles
4. ☐ Fertilizer
5. ☐ Paper/Printing
6. ☐ Leather Tanning
7. ☐ Iron/Steel Foundry
8. ☐ Chemical, General
9. ☐ Plating/Polishing
10. ☐ Military/Ammunition
11. ☐ Electrical Conductors
12. ☐ Transformers
13. ☐ Utility Companies
14. ☐ Sanitary/Refuse
15. ☐ Photofinish
16. ☐ Lab/Hospital
17. ☐ Unknown
18. ☐ Other (Specify)

Option 2: This option is available to persons familiar with the Resource Conservation and Recovery Act (RCRA) Section 3001 regulations (40 CFR Part 261).

Specific Type of Waste:
EPA has assigned a four-digit number to each hazardous waste listed in the regulations under Section 3001 of RCRA. Enter the appropriate four-digit number in the boxes provided. A copy of the list of hazardous wastes and codes can be obtained by contacting the EPA Region serving the State in which the site is located.

000201
RECEIVED
EPA/REGION IV
JUN 5 12 56 PM '66
ENVIRONMENTAL
DIVISION

Notification of Hazardous Waste Site**Side Two****F Waste Quantity:**

Place an X in the appropriate boxes to indicate the facility types found at the site.

In the "total facility waste amount" space give the estimated combined quantity (volume) of hazardous wastes at the site using cubic feet or gallons.

In the "total facility area" space, give the estimated area size which the facilities occupy using square feet or acres

Facility Type

1. ☐ Piles
2. ☐ Land Treatment
3. ☒ Landfill
4. ☐ Tanks
5. ☐ Impoundment
6. ☐ Underground Injection
7. ☐ Drums, Above Ground
8. ☐ Drums, Below Ground
9. ☐ Other (Specify) _____

Total Facility Waste Amount

cubic feet unknown

gallons _____

Total Facility Area

square feet unknown

acres _____

G Known, Suspected or Likely Releases to the Environment:

Place an X in the appropriate boxes to indicate any known, suspected, or likely releases of wastes to the environment.

☐ Known ☐ Suspected ☐ Likely ☐ None
unknown

Note: Items H and I are optional. Completing these items will assist EPA and State and local governments in locating and assessing hazardous waste sites. Although completing the items is not required, you are encouraged to do so.

H Sketch Map of Site Location: (Optional)

Sketch a map showing streets, highways, routes or other prominent landmarks near the site. Place an X on the map to indicate the site location. Draw an arrow showing the direction north. You may substitute a publishing map showing the site location.

I Description of Site: (Optional)

Describe the history and present conditions of the site. Give directions to the site and describe any nearby wells, springs, lakes, or housing. Include such information as how waste was disposed and where the waste came from. Provide any other information or comments which may help describe the site conditions.

J Signature and Title:

The person or authorized representative (such as plant managers, superintendents, trustees or attorneys) of persons required to notify must sign the form and provide a mailing address (if different than address in item A). For other persons providing notification, the signature is optional. Check the boxes which best describe the relationship to the site of the person required to notify. If you are not required to notify check "Other"

Name Lee Goodrich, Assist. Legal Counsel

Street P. O. Box 71

City West Point State GA Zip Code 31833

Signature Lee Goodrich Date 6/4/81

- ☒ Owner, Present
- ☐ Owner, Past
- ☐ Transporter
- ☐ Operator, Present
- ☐ Operator, Past
- ☐ Other



POTENTIAL HAZARDOUS WASTE SITE
CURRENT DISPOSITION
PART 1 - SITE STATUS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)

Valley site #2

02 STREET, ROUTE NO., OR OTHER SPECIFIC LOCATION IDENTIFIER

Lengdale Cemetery + 20th Avenue

03 CITY

Lengdale

04 STATE

AL

05 ZIP CODE

36864

06 COUNTY

Chambers

07 COUNTY CODE

08 CONG DIST

III. CURRENT SITE STATUS

01 REPORTING DATE

1/15/82
MONTH DAY YEAR

02 TRACKING COMPLETED (Check one if applicable)

☐ A. SITE REQUIRED NO RESPONSE

☐ B. ALL GOVERNMENT FINANCED
ACTIVITIES COMPLETED

☒ C. ALL PRIVATELY FINANCED
ACTIVITIES COMPLETED

☐ D. SITE CLOSED

DATE

CLOSED MONTH DAY YEAR

DATE

COMPLETED MONTH DAY YEAR

DATE

COMPLETED MONTH DAY YEAR

DATE

CLOSED MONTH DAY YEAR

TOTAL COST

03 PENDING (Check if applicable)

☐ FURTHER RESEARCH AND ANALYSIS REQUIRED

EXPECTED COMPLETION DATE

MONTH DAY YEAR

REFERENCE

04 MONITORING (Check if applicable)

☐ SITE REQUIRES CONTINUED SURVEILLANCE/MONITORING

SCHEDULE

☐ A. MONTHLY

☐ B. SEMI ANNUALLY

☐ C. QUARTERLY

☐ D. ANNUALLY

REFERENCE

05 FULL FIELD INVESTIGATION (Check one if applicable)

☐ A. NEEDED

☐ B. IN PROGRESS

☐ C. COMPLETED

DATE COMPLETED

MONTH DAY YEAR

06 REMEDIAL RESPONSE (Check one if applicable)

☐ A. NEEDED

☐ B. IN PROGRESS

☐ C. COMPLETED

DATE COMPLETED

MONTH DAY YEAR

07 PLANNED REMOVAL (Check one if applicable)

☐ A. NEEDED

☐ B. IN PROGRESS

☐ C. COMPLETED

DATE COMPLETED

MONTH DAY YEAR

08 IMMEDIATE REMOVAL (Check one if applicable)

☐ B. IN PROGRESS

☐ C. COMPLETED

DATE COMPLETED

MONTH DAY YEAR

09 RESPONSIBLE PARTIES (Check if applicable)

☐ RESPONSE/REMOVAL ACTIVITIES UNDER CONTROL OF RESPONSIBLE PARTIES

10 ENFORCEMENT (Privately financed removal/response activities linked to enforcement are carried in the Enforcement Docket System)

☐ A. ADMINISTRATIVE ORDER ISSUED

☐ B. CIVIL/CRIMINAL LITIGATION FILED

DATE ISSUED

MONTH DAY YEAR

DATE FILED

MONTH DAY YEAR

COMPLIANCE DATE

MONTH DAY YEAR

WHERE FILED

(Judicial District)

JUDGEMENT/SETTLEMENT DATE

MONTH DAY YEAR

IV. SITE RANKING

01 SITE RANKING AVAILABLE (Check one)

☐ A. YES

RANKING:

☐ B. NO

☐ C. PLANNED

☒ D. UNNECESSARY

☐ E. UNKNOWN

02 STATE PRIORITY

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Site seen + conversation with West Point Pyzdek rep.

VI. INFORMATION AVAILABLE FROM

01 PREPARED BY

Jennifer Scott-Simpson

02 AGENCY

E+E

03 ORGANIZATION

04 TELEPHONE NO.

(404) 288-7711

05 DATE

1/15/82
MONTH DAY YEAR



POTENTIAL HAZARDOUS WASTE SITE
CURRENT DISPOSITION
PART 2 - GOVERNMENT FINANCED RESPONSE/REMOVAL ACTIVITIES

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
10

II. RESPONSE/REMOVAL ACTIVITIES

01 TYPE OF ACTIVITY (Check one) <input type="checkbox"/> A. REMEDIAL RESPONSE <input type="checkbox"/> B. PLANNED REMOVAL <input type="checkbox"/> C. IMMEDIATE REMOVAL				02 RESPONSE/REMOVAL ACTIVITY	
03 LEAD AGENCY		04 PARTICIPATING AGENCIES			
05 START DATE MONTH DAY YEAR	06 EST. COMP. DATE MONTH DAY YEAR	07 ACTUAL COMP. DATE MONTH DAY YEAR	08 ESTIMATED COST		09 ACTUAL COST
10 SOURCES OF FUNDING A. SOURCE AMOUNT B. SOURCE AMOUNT					
11 NARRATIVE DESCRIPTION					

01 TYPE OF ACTIVITY (Check one) <input type="checkbox"/> A. REMEDIAL RESPONSE <input type="checkbox"/> B. PLANNED REMOVAL <input type="checkbox"/> C. IMMEDIATE REMOVAL				02 RESPONSE/REMOVAL ACTIVITY	
03 LEAD AGENCY		04 PARTICIPATING AGENCIES			
05 START DATE MONTH DAY YEAR	06 EST. COMP. DATE MONTH DAY YEAR	07 ACTUAL COMP. DATE MONTH DAY YEAR	08 ESTIMATED COST		09 ACTUAL COST
10 SOURCES OF FUNDING A. SOURCE AMOUNT B. SOURCE AMOUNT					
11 NARRATIVE DESCRIPTION					

01 TYPE OF ACTIVITY (Check one) <input type="checkbox"/> A. REMEDIAL RESPONSE <input type="checkbox"/> B. PLANNED REMOVAL <input type="checkbox"/> C. IMMEDIATE REMOVAL				02 RESPONSE/REMOVAL ACTIVITY	
03 LEAD AGENCY		04 PARTICIPATING AGENCIES			
05 START DATE MONTH DAY YEAR	06 EST. COMP. DATE MONTH DAY YEAR	07 ACTUAL COMP. DATE MONTH DAY YEAR	08 ESTIMATED COST		09 ACTUAL COST
10 SOURCES OF FUNDING A. SOURCE AMOUNT B. SOURCE AMOUNT					
11 NARRATIVE DESCRIPTION					

01 TYPE OF ACTIVITY (Check one) <input type="checkbox"/> A. REMEDIAL RESPONSE <input type="checkbox"/> B. PLANNED REMOVAL <input type="checkbox"/> C. IMMEDIATE REMOVAL				02 RESPONSE/REMOVAL ACTIVITY	
03 LEAD AGENCY		04 PARTICIPATING AGENCIES			
05 START DATE MONTH DAY YEAR	06 EST. COMP. DATE MONTH DAY YEAR	07 ACTUAL COMP. DATE MONTH DAY YEAR	08 ESTIMATED COST		09 ACTUAL COST
10 SOURCES OF FUNDING A. SOURCE AMOUNT B. SOURCE AMOUNT					
11 NARRATIVE DESCRIPTION					

12 SOURCE OF INFORMATION



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 STATE AL 02 SITE NUMBER D003276763

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Valley Site #2 02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER Langdale Cemetery & 20th Avenue
03 CITY Langdale 04 STATE AL 05 ZIP CODE 36864 06 COUNTY Chambers 07 COUNTY CODE 08 CONG DIST
09 COORDINATES
LATITUDE 32° 48' 51" LONGITUDE 85° 12' 00" 10 TYPE OF OWNERSHIP (Check one)
☒ A. PRIVATE ☐ B. FEDERAL ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION 12, 10, 81 02 SITE STATUS ☐ ACTIVE ☒ INACTIVE 03 YEARS OF OPERATION 1900 1960 UNKNOWN
MONTH DAY YEAR BEGINNING YEAR ENDING YEAR
04 AGENCY PERFORMING INSPECTION (Check all that apply)
☒ A. EPA ☒ B. EPA CONTRACTOR Ecology & Environment ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR
☐ E. STATE ☐ F. STATE CONTRACTOR ☐ G. OTHER

05 CHIEF INSPECTOR Harold Taylor 06 TITLE Environmental Scientist 07 ORGANIZATION AL Dir. SW & VC 08 TELEPHONE NO. (205) 832-6728
09 OTHER INSPECTORS Joel Veater 10 TITLE Project Officer for AL 11 ORGANIZATION EPA 12 TELEPHONE NO. (404) 881-2234
Jennifer Scott-Simpson Biologist E & E (404) 288-7711
Charles H. Lee Geologist E & E (404) 288-7711
()
()

13 SITE REPRESENTATIVES INTERVIEWED J. M. Birdsong 14 TITLE Supervisor 15 ADDRESS Langdale, AL 16 TELEPHONE NO. (205) 756-7111
Charlie Taylor Service Center - Langdale ()
Carl Summers Engineering Dept. ()
()
()
()

17 ACCESS GAINED BY (Check one) ☒ PERMISSION ☐ WARRANT 18 TIME OF INSPECTION 10:30 19 WEATHER CONDITIONS Cloud & Clear

IV. INFORMATION AVAILABLE FROM

01 CONTACT J. M. Birdsong 02 OF (Agency/Organization) West Point Paperell 03 TELEPHONE NO. (205) 756-7111
04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM Jennifer Scott-Simpson 05 AGENCY E & E 06 ORGANIZATION (404) 288-7711 07 TELEPHONE NO. (404) 288-7711 08 DATE 12, 22, 81
MONTH DAY YEAR



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) <i>Valley Site #2</i>		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER <i>Longdale Cemetery & 20th Ave.</i>				
03 CITY <i>Longdale</i>	04 STATE <i>AL</i>	05 ZIP CODE <i>36864</i>	06 COUNTY <i>Chambers</i>		07 COUNTY CODE <i></i>	08 CONG DIST <i></i>
09 COORDINATES LATITUDE <i>32° 48' 31"</i>		LONGITUDE <i>85° 10' 00"</i>				

10 DIRECTIONS TO SITE (Starting from nearest public road)

east of the site is between the road that circles the cemetery and west of the Chattahoochee River.

III. RESPONSIBLE PARTIES

01 OWNER (if known)		02 STREET (Business, mailing, residential)			
03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER		
07 OPERATOR (if known and different from owner) <i>West Point Pepperell, Inc.</i>		08 STREET (Business, mailing, residential) <i>P.O. Box 71</i>			
09 CITY <i>West Point</i>	10 STATE <i>GA</i>	11 ZIP CODE <i>31833</i>	12 TELEPHONE NUMBER		
13 TYPE OF OWNERSHIP (Check one) A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input checked="" type="checkbox"/> G. UNKNOWN					

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED: _____ MONTH DAY YEAR ☒ B. UNCONTROLLED WASTE SITE (CERCLA 103 d) DATE RECEIVED: *6/6/81* MONTH DAY YEAR ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input type="checkbox"/> YES DATE _____ MONTH DAY YEAR <input checked="" type="checkbox"/> NO		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____			
02 SITE STATUS (Check one) <input type="checkbox"/> A. ACTIVE <input checked="" type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION BEGINNING YEAR <i>1900</i> ENDING YEAR <i>1940</i> <input type="checkbox"/> UNKNOWN			

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

The wastes on this site are known to originate from the textile industry. The composition of the waste is unknown.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

The site is within 1,000 feet of a residential area south of Longdale and may pose a threat to these people. The Chattahoochee River (source of drinking water) and ground water may be affected by contaminants that potentially are migrating from the site.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
☒ A. HIGH (inspection required promptly) ☐ B. MEDIUM (inspection required) ☐ C. LOW (inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT <i>J.M. Birdsong, Supervisor</i>	02 OF (Agency/Organization) <i>West Point Pepperell, Inc.</i>		03 TELEPHONE NUMBER <i>(205) 756-7111</i> <i>X-2570</i>	
04 PERSON RESPONSIBLE FOR ASSESSMENT <i>Jennifer Scott-Simpson</i>	05 AGENCY <i>EPA Contractor</i>	06 ORGANIZATION <i>Ecology & Environment, Inc.</i>	07 TELEPHONE NUMBER <i>(404) 288-7711</i>	08 DATE <i>12/14/81</i> MONTH DAY YEAR

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

D1 PHYSICAL STATES (Check all that apply) <input checked="" type="checkbox"/> A. SOLID <input type="checkbox"/> B. POWDER, FINES <input type="checkbox"/> C. SLUDGE <input type="checkbox"/> D. OTHER _____ (Specify)	D2 WASTE QUANTITY AT SITE (Measure of waste quantity must be independent) TONS _____ CUBIC YARDS <u>5,000 est. only</u> NO. OF DRUMS _____	D3 WASTE CHARACTERISTICS (Check all that apply) <input checked="" type="checkbox"/> A. TOXIC <input checked="" type="checkbox"/> B. CORROSIVE <input type="checkbox"/> C. RADIOACTIVE <input checked="" type="checkbox"/> D. PERSISTENT <input type="checkbox"/> E. SOLUBLE <input type="checkbox"/> F. INFECTIOUS <input type="checkbox"/> G. FLAMMABLE <input type="checkbox"/> H. IGNITABLE <input type="checkbox"/> I. HIGHLY VOLATILE <input type="checkbox"/> J. EXPLOSIVE <input type="checkbox"/> K. REACTIVE <input type="checkbox"/> L. INCOMPATIBLE <input type="checkbox"/> M. NOT APPLICABLE
---	---	---

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

[illegible]

Y. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis reports.)

Assumptions based on wastes typically generated from a textile finishing plant. Quantity of waste given above is only an estimate based on the assumption that over 40 years at least a one acre landfill was used.

Valley Site #2
West Point Pepperell

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT		I. IDENTIFICATION	
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS		01 STATE	02 SITE NUMBER
II. HAZARDOUS CONDITIONS AND INCIDENTS			
<div style="display: flex; justify-content: space-between;"><div>01 <input checked="" type="checkbox"/> A. GROUNDWATER CONTAMINATION</div><div>02 <input type="checkbox"/> OBSERVED (DATE: _____)</div><div><input checked="" type="checkbox"/> POTENTIAL</div><div><input type="checkbox"/> ALLEGED</div></div> <div style="display: flex; justify-content: space-between;"><div>03 POPULATION POTENTIALLY AFFECTED: <u>0</u></div><div>04 NARRATIVE DESCRIPTION</div></div> <p style="margin-top: 10px;">Geology of the area allows for the possibility of both lateral and vertical migration of chemicals into the groundwater. Drinking water is acquired from the Chattahoochee River, therefore the population could not be directly affected.</p>			
<div style="display: flex; justify-content: space-between;"><div>01 <input checked="" type="checkbox"/> B. SURFACE WATER CONTAMINATION</div><div>02 <input type="checkbox"/> OBSERVED (DATE: _____)</div><div><input checked="" type="checkbox"/> POTENTIAL</div><div><input type="checkbox"/> ALLEGED</div></div> <div style="display: flex; justify-content: space-between;"><div>03 POPULATION POTENTIALLY AFFECTED: <u>?</u></div><div>04 NARRATIVE DESCRIPTION</div></div> <p style="margin-top: 10px;">The site is mapped by West Point Pepperell as being on the Chattahoochee River bank, therefore contamination of surface water is possible. The River is used as a source of drinking water but the water intake points are not known at this time.</p>			
<div style="display: flex; justify-content: space-between;"><div>01 <input type="checkbox"/> C. CONTAMINATION OF AIR</div><div>02 <input type="checkbox"/> OBSERVED (DATE: _____)</div><div><input type="checkbox"/> POTENTIAL</div><div><input type="checkbox"/> ALLEGED</div></div> <div style="display: flex; justify-content: space-between;"><div>03 POPULATION POTENTIALLY AFFECTED: _____</div><div>04 NARRATIVE DESCRIPTION</div></div>			
<div style="display: flex; justify-content: space-between;"><div>01 <input type="checkbox"/> D. FIRE/EXPLOSIVE CONDITIONS</div><div>02 <input type="checkbox"/> OBSERVED (DATE: _____)</div><div><input type="checkbox"/> POTENTIAL</div><div><input type="checkbox"/> ALLEGED</div></div> <div style="display: flex; justify-content: space-between;"><div>03 POPULATION POTENTIALLY AFFECTED: _____</div><div>04 NARRATIVE DESCRIPTION</div></div>			
<div style="display: flex; justify-content: space-between;"><div>01 <input type="checkbox"/> E. DIRECT CONTACT</div><div>02 <input type="checkbox"/> OBSERVED (DATE: _____)</div><div><input type="checkbox"/> POTENTIAL</div><div><input type="checkbox"/> ALLEGED</div></div> <div style="display: flex; justify-content: space-between;"><div>03 POPULATION POTENTIALLY AFFECTED: _____</div><div>04 NARRATIVE DESCRIPTION</div></div>			
<div style="display: flex; justify-content: space-between;"><div>01 <input type="checkbox"/> F. CONTAMINATION OF SOIL</div><div>02 <input type="checkbox"/> OBSERVED (DATE: _____)</div><div><input type="checkbox"/> POTENTIAL</div><div><input type="checkbox"/> ALLEGED</div></div> <div style="display: flex; justify-content: space-between;"><div>03 AREA POTENTIALLY AFFECTED: _____ <small>(Acres)</small></div><div>04 NARRATIVE DESCRIPTION</div></div>			
<div style="display: flex; justify-content: space-between;"><div>01 <input checked="" type="checkbox"/> G. DRINKING WATER CONTAMINATION</div><div>02 <input type="checkbox"/> OBSERVED (DATE: _____)</div><div><input checked="" type="checkbox"/> POTENTIAL</div><div><input type="checkbox"/> ALLEGED</div></div> <div style="display: flex; justify-content: space-between;"><div>03 POPULATION POTENTIALLY AFFECTED: <u>?</u></div><div>04 NARRATIVE DESCRIPTION</div></div> <p style="margin-top: 10px;">See surface water explanation above.</p>			
<div style="display: flex; justify-content: space-between;"><div>01 <input type="checkbox"/> H. WORKER EXPOSURE/INJURY</div><div>02 <input type="checkbox"/> OBSERVED (DATE: _____)</div><div><input type="checkbox"/> POTENTIAL</div><div><input type="checkbox"/> ALLEGED</div></div> <div style="display: flex; justify-content: space-between;"><div>03 WORKERS POTENTIALLY AFFECTED: _____</div><div>04 NARRATIVE DESCRIPTION</div></div>			
<div style="display: flex; justify-content: space-between;"><div>01 <input type="checkbox"/> I. POPULATION EXPOSURE/INJURY</div><div>02 <input type="checkbox"/> OBSERVED (DATE: _____)</div><div><input type="checkbox"/> POTENTIAL</div><div><input type="checkbox"/> ALLEGED</div></div> <div style="display: flex; justify-content: space-between;"><div>03 POPULATION POTENTIALLY AFFECTED: _____</div><div>04 NARRATIVE DESCRIPTION</div></div>			



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES
(Spills/runoff/standing liquids/leaking drums)
03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

Notification of Hazardous Waste Site EPA Form 8900-1 submitted by West Point
Pepperell, Inc. Site Notification Number ALS 000001142



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) <i>Valley Site # 3</i>		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER <i>River Road</i>				
03 CITY <i>Fairfax</i>	04 STATE <i>AL</i>	05 ZIP CODE <i>36854</i>	06 COUNTY <i>Chambers</i>		07 COUNTY CODE <i></i>	08 CONG DIST <i></i>
09 COORDINATES LATITUDE <i>32° 46' 48"</i>		LONGITUDE <i>85° 10' 03"</i>				

10 DIRECTIONS TO SITE (Starting from nearest public road)

*Travel from Fairfax southeast on River Road. Across from the West Point Peppersell
Lentuck Division (on the north side of River Road) the site is located near the power line
right of way about 400 ft off the road.*

III. RESPONSIBLE PARTIES

01 OWNER (if known)		02 STREET (Business, mailing, residential)			
03 CITY		04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER ()	
07 OPERATOR (if known and different from owner) <i>West Point Peppersell, Inc.</i>		08 STREET (Business, mailing, residential) <i>P.O. Box 71</i>			
09 CITY <i>West Point</i>		10 STATE <i>GA</i>	11 ZIP CODE <i>31833</i>	12 TELEPHONE NUMBER ()	
13 TYPE OF OWNERSHIP (Check one) <input type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input checked="" type="checkbox"/> G. UNKNOWN					

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED: ____/____/____ MONTH DAY YEAR ☒ B. UNCONTROLLED WASTE SITE (RCRA 103 c) DATE RECEIVED: *6/5/81* MONTH DAY YEAR ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input type="checkbox"/> YES DATE ____/____/____ MONTH DAY YEAR <input checked="" type="checkbox"/> NO		02 BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____			
--	--	--	--	--	--

02 SITE STATUS (Check one) <input type="checkbox"/> A. ACTIVE <input checked="" type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN	03 YEARS OF OPERATION BEGINNING YEAR _____ ENDING YEAR _____ <input type="checkbox"/> UNKNOWN
--	---

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

*The wastes on this site are known to originate from the textile industry.
The composition of the waste is unknown.*

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

*This waste disposal area, used for about 50 years, may pose a hazard
to ground water and/or surface water quality.*

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents) <input type="checkbox"/> A. HIGH (inspection required promptly) <input checked="" type="checkbox"/> B. MEDIUM (inspection required) <input type="checkbox"/> C. LOW (inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition form)			
--	--	--	--

VI. INFORMATION AVAILABLE FROM

01 CONTACT <i>J.M. Birdsong, Supervisor</i>		02 OF (Agency/Organization) <i>West Point Peppersell, Inc.</i>		03 TELEPHONE NUMBER <i>(205) 756-7111 X-2570</i>	
04 PERSON RESPONSIBLE FOR ASSESSMENT <i>Jennifer South-Gimpson</i>		05 AGENCY <i>EPA</i>	06 ORGANIZATION <i>Ecology & Environment, Inc.</i>	07 TELEPHONE NUMBER <i>(404) 288-7711</i>	08 DATE <i>12/4/81</i> MONTH DAY YEAR



Valley Site # 3
West Point Peppercell



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 0

04 NARRATIVE DESCRIPTION

The geology of the area allows for the possibility of lateral and vertical contaminant migration.

01 ☒ B. SURFACE WATER CONTAMINATION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

A small stream downgradient and north of the site (within 500 ft) may be affected by contaminant migration if this situation exists.

01 ☐ C. CONTAMINATION OF AIR

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

01 ☐ E. DIRECT CONTACT

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

01 ☐ F. CONTAMINATION OF SOIL

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL ☐ ALLEGED

03 AREA POTENTIALLY AFFECTED: _____

(Acres)

04 NARRATIVE DESCRIPTION

01 ☐ G. DRINKING WATER CONTAMINATION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

01 ☐ H. WORKER EXPOSURE/INJURY

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL ☐ ALLEGED

03 WORKERS POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

01 ☐ I. POPULATION EXPOSURE/INJURY

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES
(Spills/runoff/standing liquids/leaking drums)
03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

Notification of Hazardous Waste Sites, EPA Form 8900-1. Submitted by West Point Pepperell, Inc. Site Notification Number ALS000001179.



ecology and environment, inc.

4319 COVINGTON HIGHWAY, DECATUR, GEORGIA 30035

International Specialists in the Environmental Sciences

December 14, 1981

Mr. Joel Veater, Project Officer
Environmental Protection Agency
345 Courtland Street, N.E.
Atlanta, GA 30365

Subject: TDD # F4-8111-02 Interim Deliverable

Dear Mr. Veater:

Ecology & Environment, Inc. (E&E) has been tasked through TDD # F4-8111-02 to conduct an investigation of nine landfill sites in Alabama that were submitted to EPA by West Point Pepperell, Inc. under CERCLA 103c regulations. E&E has performed a preliminary assessment of these sites and as an interim deliverable you will find an EPA Form 2070-12 for each of the sites attached. The preliminary assessment phase of an investigation is a continuing process of information gathering and E&E will maintain an effort to collect more data for each of these sites.

At this time, E&E's work on this project is contingent upon the State of Alabama scheduling a meeting with West Point Pepperell, Inc. Harold Taylor, the Alabama Superfund Sites Coordinator, is expected to contact me this week regarding the joint meeting and I will inform you of the plans as soon as possible. We have discussed the advantages of having you attend the meeting between the State, West Point Pepperell, and E&E. Currently, I plan to have you join us on this one day trip. If you have any comments or questions about the progress of this project please feel free to give me a call.

Sincerely,

Jennifer Scott-Simpson

JSS/lsr

Attachments



WestPoint Pepperell

June 16, 1981

Ms. Jill Stanislawsy
U.S. Environmental Protection Agency
Region IV
Sites Notification
Atlanta, GA 30365

Dear Ms. Stanislawsy:

As you requested, we have enclosed a map showing the locations of waste dumps named Valley Sites 1 through 7.

Also as you requested, the location of the Opelika City Landfill is on Lee County highway 63, 2 miles south of the intersection of County highway 63 and County highway 12.

If further information is needed, please contact me.

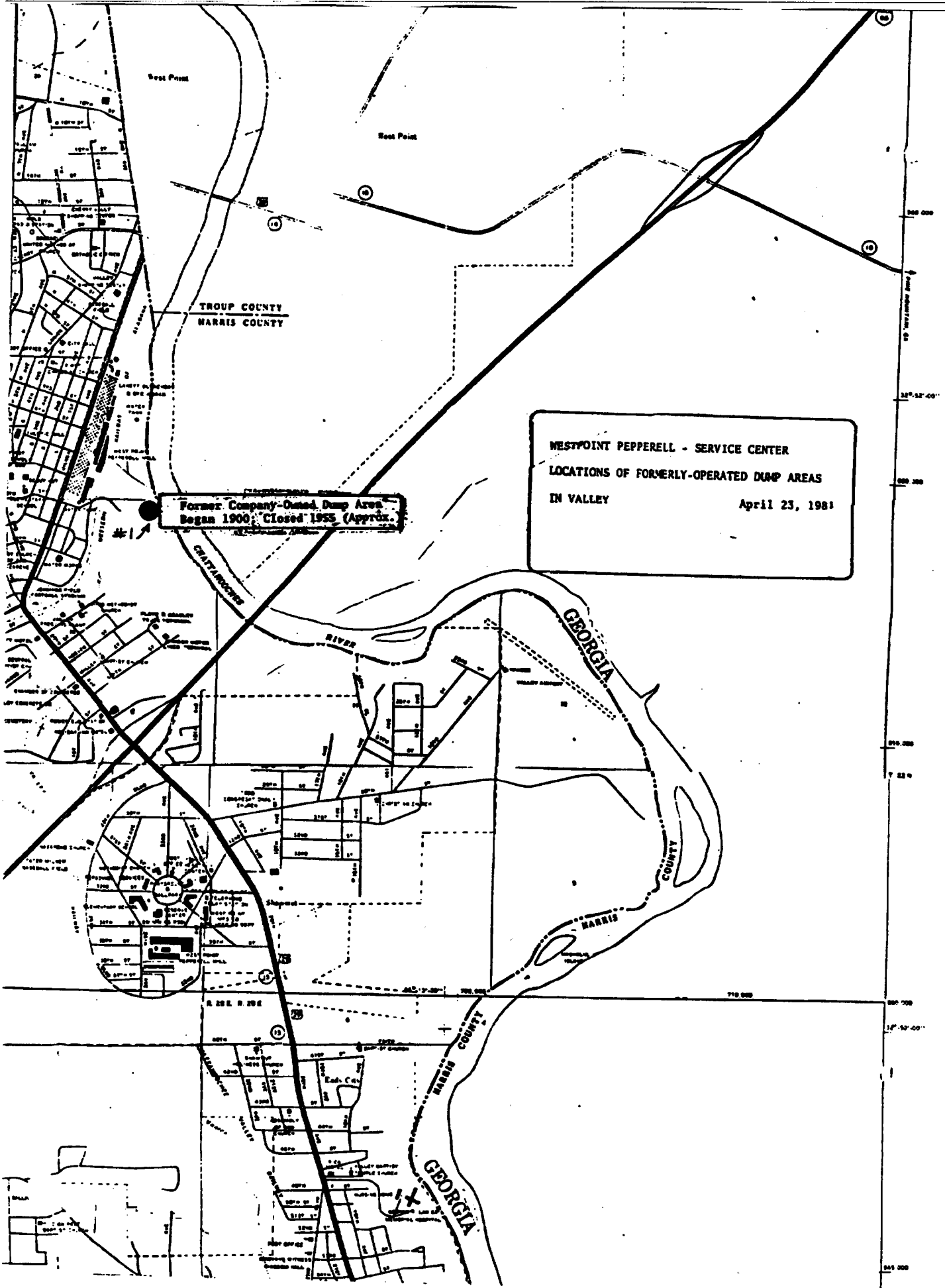
Yours very truly,

J. M. Birdsong
Engineering Department

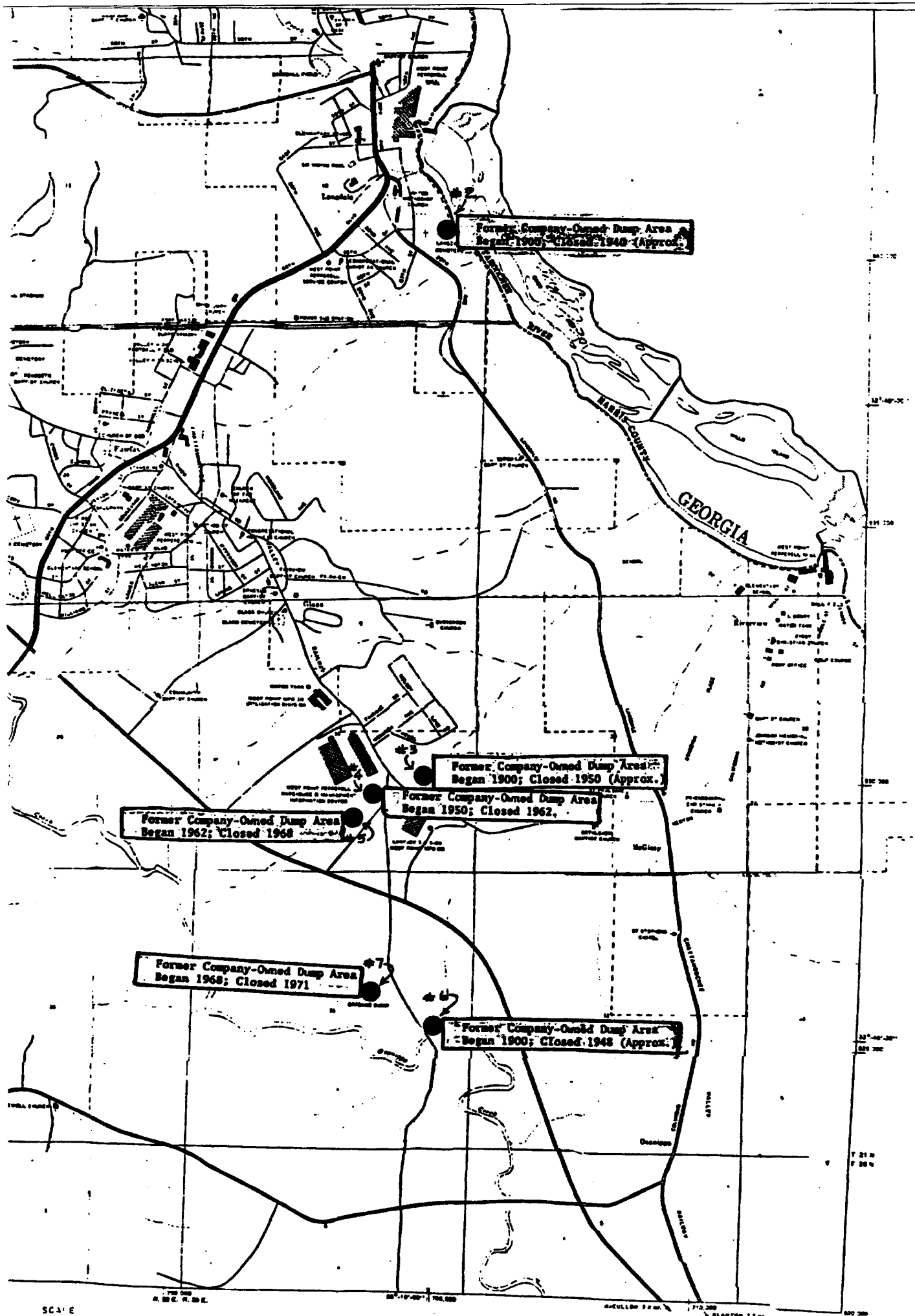
JMB/mah

Enclosures

1
EPA/REGION IV
JUN 19 1981
EPA/REGION IV



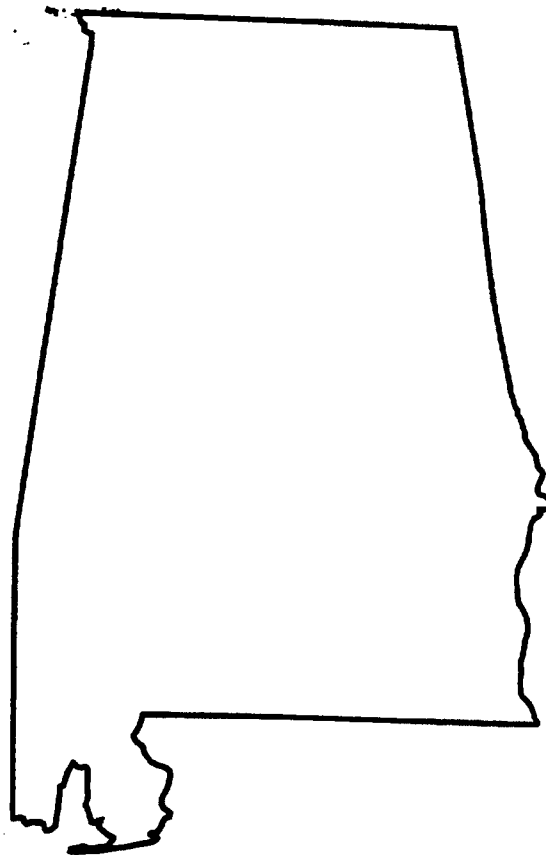
WESTPOINT PEPPERELL - SERVICE CENTER
LOCATIONS OF FORMERLY-OPERATED DUMP AREAS
IN VALLEY
April 23, 1981



REFERENCE 8



Water Resources Data Alabama Water Year 1992



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT AL-92-1
Prepared in cooperation with the Alabama Department
of Environmental Management, the Alabama Highway
Department, and with other State, municipal,
and Federal agencies

APALACHICOLA RIVER BASIN

27

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA

LOCATION.--Lat 32°53'10", long 85°10'56", Troup County, Hydrologic Unit 03130002, on right bank just downstream from Oselige Creek at West Point, 1 mi upstream from bridge on U.S. Highway 29, 2.5 mi downstream from West Point Dam, and at mile 198.9.

DRAINAGE AREA.--3,550 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1896 to current year. Gage-height records collected at site 0.8 mi downstream since 1899 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 682: 1920, drainage area. WSP 972: 1931-32. WSP 1504: 1912, 1916-17.

GAGE.--Water-stage recorder. Datum of gage is 551.67 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 20, 1912, nonrecording gage at site 0.8 mi downstream at datum 2.83 ft lower. Oct. 20, 1912, to Jan. 25, 1925, nonrecording gage at site 500 ft upstream at present datum.

REMARKS.--No estimated daily discharges. Water-discharge records good. Flow regulated by Lake Sidney Lanier since January 1956 and by West Point Lake since October 1974.

AVERAGE DISCHARGE.--96 years, 5,565 ft³/s, 21.30 in/yr, unadjusted.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1827, that of Dec. 10, 1919. Flood in 1886 reached a stage of 25.6 ft at former site and datum, from floodmark, by National Weather Service, discharge, 92,800 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10500	5080	707	3680	4970	9200	9100	7630	5330	7550	685	4680
2	10600	1750	7930	3720	745	9270	9050	762	5290	7580	671	5030
3	10600	2630	8100	3820	6390	9380	9080	735	5300	7530	4720	4670
4	10700	3460	8150	813	6440	9550	852	7560	5400	724	4940	4670
5	614	3460	8040	756	6550	9630	754	10200	4810	707	4720	659
6	594	3520	8060	5710	6730	9950	8980	10300	702	6690	4710	9240
7	7140	3600	739	5820	6530	1700	9290	10300	687	6770	4690	6050
8	11400	3520	713	8710	762	839	9770	10300	3660	6920	3520	7960
9	11500	674	9360	9050	735	5140	9380	754	754	6820	4020	7780
10	11600	656	9690	9060	5670	5170	9130	726	1690	5890	5350	6080
11	11600	3510	9870	2550	5690	5300	811	2040	1370	945	6070	5990
12	617	3520	9980	720	5700	5070	793	2030	1360	679	6110	676
13	595	3560	10100	7680	5740	5050	3550	2020	703	5990	2160	649
14	11600	3600	843	5670	5830	776	3530	2030	723	5980	6340	5140
15	11900	3530	749	2420	869	765	3490	2020	2630	5970	719	5100
16	12100	675	6120	2310	1130	5690	3520	690	4550	6050	675	5100
17	12300	674	6190	2320	3240	5710	3520	695	4520	6080	4720	5110
18	12500	7890	6240	845	3560	5750	779	3980	4550	687	4760	5160
19	708	8170	6280	912	7780	5770	766	3990	4660	2660	4740	3550
20	601	8320	6200	6830	7720	5730	4870	3980	746	6730	4720	3190
21	7150	8710	714	6880	7700	781	4970	3960	723	6750	4700	5730
22	7270	3250	692	2260	6510	761	4950	3960	4010	6760	659	5520
23	7370	1150	5200	3820	849	7670	4890	682	4120	6800	9890	5150
24	7410	776	5310	11600	10400	7760	5250	670	4040	6800	5440	5110
25	7320	8340	5570	2040	10600	7770	783	5570	4040	1000	5360	5100
26	630	8450	5320	6270	13200	7710	756	5600	5510	2630	5370	586
27	605	8490	5370	7870	15000	7700	4820	5610	700	6070	5450	587
28	5000	8540	771	7830	17700	855	6150	5620	699	3420	6870	6360
29	5060	8640	757	7840	14900	760	6230	5570	7410	6090	711	6400
30	5020	810	3800	7850	---	8950	7610	869	7500	6120	3320	6400
31	5090	---	3800	7840	---	9760	---	895	---	6120	4660	---
TOTAL	217694	128955	161365	155496	189640	175917	147424	121748	98187	157512	131470	143427
MEAN	7022	4298	5205	5016	6539	5675	4914	3927	3273	5081	4241	4781
MAX	12500	8710	10100	11600	17700	9950	9770	10300	7500	7580	9890	9240
MIN	594	656	692	720	735	760	754	670	687	679	659	586

APALACHICOLA RIVER BASIN

02339500 CHATTAHOOCHEE RIVER AT WEST POINT, GA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1992, BY WATER YEAR (WY)

(SINCE REGULATION)

MEAN	3699	4160	5140	6402	7643	8238	7988	5646	4568	4204	4314
MAX	8536	8875	13340	14930	18980	19540	19940	13000	10250	6695	8890
(WY)	1990	1978	1962	1972	1990	1990	1964	1964	1973	1963	1984
MIN	948	1601	1592	1574	2766	1921	1961	1647	1807	1672	1068
(WY)	1956	1956	1956	1956	1989	1988	1988	1985	1978	1988	1956

SUMMARY STATISTICS

FOR 1991 CALENDAR YEAR

FOR 1992 WATER YEAR

WATER YEARS 1956 -

ANNUAL TOTAL	2079057		1828835								
ANNUAL MEAN	5696	*5900	4997	*5039						5469	*5558
HIGHEST ANNUAL MEAN										8501	
LOWEST ANNUAL MEAN										2644	
HIGHEST DAILY MEAN	19400	May 12	17700	Feb 28						80000	Feb 26
LOWEST DAILY MEAN	594	Oct 6	586	Sep 26						517	Jul 13
ANNUAL SEVEN-DAY MINIMUM	2010	Mar 28	1320	Jun 9						659	Sep 2
INSTANTANEOUS PEAK FLOW			20100	Nov 21						94400	Feb 26
INSTANTANEOUS PEAK STAGE			10.02	Nov 21						24.90	Feb 26
ANNUAL RUNOFF (CFSM)	1.60	*1.66	1.41	*1.42						1.54	*1.57
ANNUAL RUNOFF (INCHES)	21.79	*22.57	19.16	*19.28						20.93	*21.26
10 PERCENT EXCEEDS	10400		9370							10000	
50 PERCENT EXCEEDS	5480		5100							4310	
90 PERCENT EXCEEDS	764		712							1050	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1896 - 1955, BY WATER YEAR (WY)

(PRIOR TO REGULATION)

MEAN	2851	3348	5834	7504	8716	9939	7878	5453	4409	4614	4072
MAX	9510	15260	18590	23150	21600	32730	21840	12620	13980	19300	12980
(WY)	1899	1949	1933	1925	1903	1929	1936	1920	1900	1916	1901
MIN	488	1134	1964	2995	2304	2785	2930	1917	1491	1697	578
(WY)	1932	1932	1940	1934	1898	1898	1905	1941	1898	1925	1925

SUMMARY STATISTICS

WATER YEARS 1896 - 1955

ANNUAL MEAN	5625										
HIGHEST ANNUAL MEAN	10060									1920	
LOWEST ANNUAL MEAN	2882									1914	
HIGHEST DAILY MEAN	134000									Dec 10 1919	
LOWEST DAILY MEAN	224									Sep 12 1925	
ANNUAL SEVEN-DAY MINIMUM	248									Aug 29 1925	
INSTANTANEOUS PEAK FLOW	134000									Dec 10 1919	
INSTANTANEOUS PEAK STAGE	a30.00									Dec 10 1919	
INSTANTANEOUS LOW FLOW	b224									Sep 12 1925	
ANNUAL RUNOFF (CFSM)	1.58										
ANNUAL RUNOFF (INCHES)	21.53										
10 PERCENT EXCEEDS	10800										
50 PERCENT EXCEEDS	3840										
90 PERCENT EXCEEDS	1660										

a At site then in use; 29.25 ft at present site, from floodmarks, from rating curve extended above 80,000 on basis of computation of peak flow over Langdale Dam.

b Corresponding gage height, 1.64 ft.

* Adjusted for change in contents in Lake Sidney Lanier and West Point Lake.

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GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992

DAILY MEAN VALUES

AFTER YEAR OCTOBER DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.40	3.86	1.99	3.34	4.02	5.78	5.76	5.14	4.32	5.00	1.96	3.75
2	6.43	2.42	5.22	3.37	2.05	5.82	5.74	2.06	4.30	5.04	1.94	3.90
3	6.43	2.79	5.31	3.49	4.59	5.86	5.75	2.03	4.30	5.00	3.77	3.74
4	6.45	2.27	5.36	2.14	4.62	5.92	2.13	5.01	4.35	2.01	3.87	3.75
5	1.87	3.26	5.30	2.06	4.67	5.95	2.06	6.14	4.09	1.99	3.77	1.92
6	1.83	3.29	5.29	4.30	4.76	6.10	5.69	6.16	1.98	4.66	3.75	5.69
7	4.86	3.35	2.03	4.36	4.67	2.69	5.83	6.17	1.96	4.67	3.75	4.36
8	6.72	1.32	2.00	3.35	2.07	2.17	6.07	6.18	3.47	4.74	3.24	5.17
9	6.77	1.93	3.80	3.71	2.03	4.09	5.90	2.05	2.06	4.69	3.45	5.07
10	6.81	1.91	5.96	5.70	4.29	4.12	5.77	2.02	2.56	4.29	4.03	4.37
11	6.77	3.32	6.03	2.89	4.30	4.20	2.14	2.69	2.36	2.12	4.33	4.32
12	1.85	3.33	6.07	2.01	4.30	4.08	2.12	2.67	2.35	1.95	4.35	1.94
13	1.82	3.35	6.12	5.13	4.32	4.05	3.40	2.67	1.99	4.33	2.67	1.90
14	6.72	3.37	2.10	4.37	4.35	2.09	3.41	2.68	2.01	4.31	4.53	4.21
15	6.86	3.34	2.05	2.90	2.19	2.08	3.38	2.67	2.99	4.30	2.01	4.19
16	6.93	1.94	4.45	2.80	2.43	4.30	3.39	1.97	3.94	4.34	1.94	4.18
17	7.00	1.94	4.48	2.83	3.33	4.33	3.39	1.97	3.92	4.37	3.78	4.19
18	7.07	3.07	4.50	2.18	3.32	4.34	2.09	3.64	3.93	1.96	3.82	4.22
19	1.90	5.22	4.51	2.24	3.24	4.36	2.08	3.65	3.99	2.99	3.79	3.39
20	1.81	5.27	4.48	4.80	5.20	4.34	3.90	3.64	2.05	4.65	3.77	3.20
21	4.73	5.43	2.00	4.80	5.19	2.09	3.98	3.63	2.02	4.65	3.76	4.47
22	4.80	2.42	1.97	2.80	4.62	2.07	3.98	3.63	3.50	4.65	1.92	4.43
23	4.83	2.42	4.04	5.57	2.18	5.14	3.93	1.95	3.58	4.69	5.97	4.20
24	4.85	2.09	4.11	6.73	6.28	5.21	4.06	1.94	3.51	4.69	4.11	4.18
25	4.82	5.40	4.24	2.77	6.39	5.20	2.09	4.42	3.50	2.17	4.05	4.16
26	1.84	5.48	4.10	4.48	7.40	5.18	2.06	4.44	4.15	2.97	4.06	1.77
27	1.81	5.49	4.13	5.26	8.17	5.18	3.86	4.45	1.98	4.35	4.09	1.77
28	3.81	5.50	2.06	5.23	9.18	2.14	4.50	4.45	1.98	3.21	6.75	4.80
29	3.85	5.54	2.06	5.23	8.10	2.07	4.55	4.44	4.93	4.38	2.00	4.84
30	3.83	2.07	3.40	5.23	---	5.67	5.13	2.19	4.98	4.40	3.18	4.84
31	3.86	---	3.39	5.22	---	6.04	---	2.22	---	4.38	3.75	---
MEAN	4.72	3.61	4.02	3.98	4.64	4.28	3.94	3.52	3.23	3.93	3.55	3.90
MAX	7.07	5.54	6.12	6.73	9.18	6.10	6.07	6.18	4.98	5.04	5.97	5.69
MIN	1.81	1.91	1.97	2.01	2.03	2.07	2.06	1.94	1.96	1.95	1.92	1.77
CAL YR	1991	MEAN 4.31	MAX 9.93	MIN 1.81								
WTR YR	1992	MEAN 3.94	MAX 9.18	MIN 1.77								

REFERENCE 9

Table 1. Selected Population and Housing Characteristics: 1990
Chambers County, Alabama

The population counts set forth herein are subject to possible correction for undercount or overcount. The United States Department of Commerce is considering whether to correct these counts and will publish corrected counts, if any, not later than July 15, 1991. The user should note that there are limitations to many of these data. Please refer to the technical documentation provided with Summary Tape File 1A for a further explanation on the limitations of the data.

Total population	36,876	Total housing units	14,910
SEX		OCCUPANCY AND TENURE	
Male	17,385	Occupied housing units	13,786
Female	19,491	Owner occupied	10,472
		Percent owner occupied	76.0
AGE		Renter occupied	3,314
Under 5 years	2,418	Vacant housing units	1,124
5 to 17 years	7,214	For seasonal, recreational, or occasional use	89
18 to 20 years	1,692	Homeowner vacancy rate (percent)	1.6
21 to 24 years	2,003	Rental vacancy rate (percent)	8.1
25 to 44 years	10,128		
45 to 54 years	3,680	Persons per owner-occupied unit	2.65
55 to 59 years	1,781	Persons per renter-occupied unit	2.64
60 to 64 years	1,741	Units with over 1 person per room	636
65 to 74 years	3,377		
75 to 84 years	2,309	UNITS IN STRUCTURE	
85 years and over	533	1-unit, detached	11,427
Median age	34.8	1-unit, attached	149
Under 18 years	9,632	2 to 4 units	770
Percent of total population	26.1	5 to 9 units	189
65 years and over	6,219	10 or more units	79
Percent of total population	16.9	Mobile home, trailer, other	2,296
HOUSEHOLDS BY TYPE		VALUE	
Total households	13,786	Specified owner-occupied units	7,350
Family households (families)	10,219	Less than \$50,000	5,146
Married-couple families	7,564	\$50,000 to \$99,999	1,889
Percent of total households	54.9	\$100,000 to \$149,999	223
Other family, male householder	486	\$150,000 to \$199,999	62
Other family, female householder	2,169	\$200,000 to \$299,999	26
Nonfamily households	3,567	\$300,000 or more	4
Percent of total households	25.9	Median (dollars)	37,900
Householder living alone	3,289		
Householder 65 years and over	1,794	CONTRACT RENT	
Persons living in households	36,502	Specified renter-occupied units paying cash rent	2,742
Persons per household	2.65	Less than \$250	2,315
GROUP QUARTERS		\$250 to \$499	423
Persons living in group quarters	374	\$500 to \$749	4
Institutionalized persons	363	\$750 to \$999	-
Other persons in group quarters	11	\$1,000 or more	-
		Median (dollars)	154
RACE AND HISPANIC ORIGIN		RACE AND HISPANIC ORIGIN OF HOUSEHOLDER	
White	23,575	Occupied housing units	13,786
Black	13,221	White	9,563
Percent of total population	35.9	Black	4,198
American Indian, Eskimo, or Aleut	41	Percent of occupied units	30.5
Percent of total population	0.1	American Indian, Eskimo, or Aleut	14
Asian or Pacific Islander	13	Percent of occupied units	0.1
Percent of total population	-	Asian or Pacific Islander	1
Other race	26	Percent of occupied units	-
Hispanic origin (of any race)	127	Other race	10
Percent of total population	0.3	Hispanic origin (of any race)	35
		Percent of occupied units	0.3

CONFIDENTIAL

APPENDIX C

SITE INSPECTION WORKSHEETS

This appendix consists of worksheets that can be used to generate an SI site score. Completion of these worksheets is not required, but the SI investigator must evaluate an SI score, either by these worksheets, *PREscore*, or other Regional scoring tools.

The worksheets consist of instructions and data tables to be filled in with scores from HRS reference tables. The data tables may also call for Data Type and References.

DATA TYPE: The Data Type columns should be filled in with an H, Q, or + if the data are HRS quality and well documented. The Data Type column should be filled in with an E, X, or - if the data represent estimates, approximations, or are not fully documented. This type identifies data gaps for the expanded SI to investigate.

REFERENCES: The Reference columns should be filled in with coded reference numbers. The numbered reference list should be attached or the numbering should be cross-referenced to the SI Narrative Report.

The SI investigator will need the current Superfund Chemical Data Matrix (SCDM) OSWER Directive 9345.1-13 (revised semi-annually) to complete these worksheets.

SITE INSPECTION WORKSHEET

CERCLIS IDENTIFICATION NUMBER
ALD003276763

SITE LOCATION

SITE NAME

West Point Pepperell Langdale Mill

ADDRESS

Langdale Cemetery and 20th Avenue

CITY

Langdale

STATE

AI

ZIP CODE

36861

PHONE#

unknown

COORDINATES

32 48' 48"

85 10' 0"

TOWNSHIP, RANGE, SECTION

OWNER/OPERATOR IDENTIFICATION

OWNER

City of Valley

OWNER ADDRESS

unknown

CITY

Valley

STATE

AI

ZIP CODE**PHONE#**

334-756-3131

OPERATOR

City of Valley

OWNER ADDRESS

unknown

CITY

Valley

STATE

AI

ZIP CODE**PHONE#**

334-756-3131

SITE EVALUATION

AGENCY/ORGANIZATION

ADEM

INVESTIGATOR

Jennifer K. Walker

CONTACT

Jymalyn Redmond

PHONE#

334-260-2791

GENERAL INFORMATION

Site Description and Operational History: Provide a brief description of the site and its operational history. State the site name, owner, operator, type of facility and operations, size of property, active or inactive status, and years of waste generation. Summarize waste treatment, storage, or disposal activities that have or may have occurred at the site; note whether these activities are documented or alleged. Identify all source types and prior spills, floods, or fires. Summarize highlights of the PA and other investigations. Cite references.

West Point Pepperell Langdale mill (Valley Site 2) is located in Langdale, Chambers County, Alabama. Valley Site 2 was a landfill owned and operated by West Point Pepperell from 1900 to 1940 (Refs. 1,2,7). The landfill was used for the disposal of domestic waste from the surrounding community, and possibly some industrial waste from the mill. There are no records of what and how much waste was disposed of at the landfill. West Point Pepperell filed the CERCLA 103c notification in case that at some time during the operation hazardous waste had been disposed of in the landfill during its operation. Valley Site 2 has been sold to the City of Valley and is currently used for a recreational area where people come to use the old boat ramp to access the river, and to fish off the river bank (Ref. 5).

GENERAL INFORMATION (continued)

Site Sketch: Provide a sketch of the site. Indicate all pertinent features of the site and nearby environments including sources of wastes, areas of visible and buried wastes, buildings, residences, access roads, parking areas, fences, fields, drainage patterns, water bodies, vegetation, wells, sensitive environments, and other features.

GENERAL INFORMATION (continued)

Source Descriptions: Describe all sources at the site. Identify source type and relate to waste disposal operations. Provide source dimensions and the best available waste quantity information. Describe the condition of sources and all containment structures. Cite references.

SOURCE TYPES

Landfill: A man-made (by excavation or construction) or natural hole in the ground into which wastes have come to be disposed by backfilling, or by contemporaneous soil deposition with waste disposal.

Surface Impoundment: A natural topographic depression, man-made excavation, or diked area, primarily formed from earthen materials (lined or unlined) and designed to hold an accumulation of liquid wastes, wastes containing free liquids, or sludges not backfilled or otherwise covered; depression may be wet with exposed liquid or dry if deposited liquid has evaporated, volatilized or leached; structures that may be described as lagoon, pond, aeration pit, settling pond, tailings pond, sludge pit; also a surface impoundment that has been covered with soil after the final deposition of waste materials (i.e., buried or backfilled).

Drum: A portable container designed to hold a standard 55-gallon volume of wastes.

Tank and Non-Drum Container: Any device, other than a drum, designed to contain an accumulation of waste that provides structural support and is constructed primarily of fabricated materials (such as wood, concrete, steel, or plastic); any portable or mobile device in which waste is stored or otherwise handled.

Contaminated Soil: An area or volume of soil onto which hazardous substances have been spilled, spread, disposed, or deposited.

Pile: Any non-containerized accumulation above the ground surface of solid, non-flowing wastes; includes open dumps. Some types of waste piles are:

- **Chemical Waste Pile:** A pile consisting primarily of discarded chemical products, by-products, radioactive wastes, or used or unused feedstocks.
- **Scrap Metal or Junk Pile:** A pile consisting primarily of scrap metal or discarded durable goods (such as appliances, automobiles, auto parts, batteries, etc.) composed of materials containing hazardous substances.
- **Tailings Pile:** A pile consisting primarily of any combination of overburden from a mining operation and tailings from a mineral mining, beneficiation, or processing operation.
- **Trash Pile:** A pile consisting primarily of paper, garbage, or discarded non-durable goods containing hazardous substances.

Land Treatment: Landfarming or other method of waste management in which liquid wastes or sludges are spread over land and tilled, or liquids are injected at shallow depths into soils.

Other: Sources not in categories listed above.

GENERAL INFORMATION (continued)

Source Description: Include description of containment per pathway for ground water (see HRS Table 3-2), surface water (see HRS Table 4-2), and air (see HRS Tables 6-3 and 6-9).

Hazardous Waste Quantity (HWQ) Calculation: SI Tables 1 and 2 (See HRS Tables 2-5, 2-6, and 5-2).

LANDFILL : Estimated 15,000 yd³

ASSUME > 7.8 acres to 780 acres

Attach additional pages, if necessary

HWQ = 100

SI TABLE 1: HAZARDOUS WASTE QUANTITY (HWQ) SCORES FOR SINGLE SOURCE SITES AND FORMULAS FOR MULTIPLE SOURCE SITES

		Single Source Sites (assigned HWQ scores)	
(Column 1) TIER	(Column 2) Source Type	(Column 3) HWQ = 10	(Column 4) HWQ = 100
A Hazardous Constituent Quantity	N/A	HWQ = 1 if Hazardous Constituent Quantity data are complete HWQ = 10 if Hazardous Constituent Quantity data are not complete	>100 to 10,000 lbs
B Hazardous Wastestream Quantity	N/A	≤ 500,000 lbs	>500,000 to 50 million lbs
C Volume	Landfill	≤ 6.75 million ft ³ ≤ 250,000 yd ³	>6.75 million to 675 million ft ³ >250,000 to 25 million yd ³
	Surface impoundment	≤ 6,750 ft ³ ≤ 250 yd ³	>6,750 to 675,000 ft ³ >250 to 25,000 yd ³
	Drums	≤ 1,000 drums	>1,000 to 100,000 drums
	Tanks and non-drum containers	≤ 50,000 gallons	>50,000 to 5 million gallons
	Contaminated soil	≤ 6.75 million ft ³ ≤ 250,000 yd ³	>6.75 million to 675 million ft ³ >250,000 to 25 million yd ³
	Pile	≤ 6,750 ft ³ ≤ 250 yd ³	>6,750 to 675,000 ft ³ >250 to 25,000 yd ³
	Other	≤ 6,750 ft ³ ≤ 250 yd ³	>6,750 to 675,000 ft ³ >250 to 25,000 yd ³
D Area	Landfill	≤ 340,000 ft ² ≤ 7.8 acres	>340,000 to 34 million ft ² >7.8 to 780 acres
	Surface impoundment	≤ 1,300 ft ² ≤ 0.029 acres	>1,300 to 130,000 ft ² >0.029 to 2.9 acres
	Contaminated soil	≤ 3.4 million ft ² ≤ 78 acres	> 3.4 million to 340 million ft ² > 78 to 7,800 acres
	Pile	≤ 1,300 ft ² ≤ 0.029 acres	>1,300 to 130,000 ft ² >0.029 to 2.9 acres
	Land treatment	≤ 27,000 ft ² ≤ 0.62 acres	>27,000 to 2.7 million ft ² >0.62 to 62 acres

TABLE 1 (CONTINUED)

Single Source Sites (assigned HWQ scores)		Multiple Source Sites	(Column 2) Source Type	(Column 1) TIER
(Column 5) HWQ = 10,000	(Column 6) HWQ = 1,000,000	(Column 7) Divisors for Assigning Source WQ Values		
>10,000 to 1 million lbs	> 1 million lbs	lbs + 1	N/A	A Hazardous Constituent Quantity
>50 million to 5 billion lbs	> 5 billion lbs	lbs + 5,000	N/A	B Hazardous Wastestream Quantity
>675 million to 67.5 billion ft ³ >25 million to 2.5 billion yd ³ >675,000 to 67.5 million ft ³ >25,000 to 2.5 million yd ³ >100,000 to 10 million drums >5 million to 500 million gallons	> 67.5 billion ft ³ > 2.5 billion yd ³ > 67.5 million ft ³ > 2.5 million yd ³ > 10 million drums > 500 million gallons	ft ³ + 67,500 yd ³ + 2,500 ft ³ + 67.5 yd ³ + 2.5 drums + 10 gallons + 500	Landfill Surface Impoundment Drums Tanks and non-drum containers Contaminated Soil Pile Other	C Volume
>675 million to 67.5 billion ft ³ >25 million to 2.5 billion yd ³ >675,000 to 67.5 million ft ³ >25,000 to 2.5 million yd ³ >675,000 to 67.5 million ft ³ >25,000 to 2.5 million yd ³	> 67.5 billion ft ³ > 2.5 billion yd ³ > 67.5 million ft ³ > 2.5 million yd ³ > 67.5 million ft ³ > 2.5 million yd ³	ft ³ + 67,500 yd ³ + 2,500 ft ³ + 67.5 yd ³ + 2.5 ft ³ + 67.5 yd ³ + 2.5	Landfill Surface Impoundment Contaminated Soil Pile	D Area
>34 million to 3.4 billion ft ² >780 to 78,000 acres >130,000 to 13 million ft ² >2.9 to 290 acres > 340 million to 34 billion ft ² > 7,800 to 780,000 acres > 130,000 to 13 million ft ² > 2.9 to 290 acres >2.7 million to 270 million ft ² >62 to 6,200 acres	> 3.4 billion ft ² >78,000 acres > 13 million ft ² > 290 acres > 34 billion ft ² > 780,000 acres > 13 million ft ² > 290 acres > 270 million ft ² > 6,200 acres	ft ² + 3,400 acres + 0.078 ft ² + 13 acres + 0.00029 ft ² + 34,000 acres + 0.78 ft ² + 13 acres + 0.00029 ft ² + 270 acres + 0.0062	Landfill Surface Impoundment Contaminated Soil Pile Land Treatment	

HAZARDOUS WASTE QUANTITY (HWQ) CALCULATION

For each migration pathway, evaluate HWQ associated with sources that are available (i.e., incompletely contained) to migrate to that pathway. (Note: If *Actual Contamination Targets* exist for ground water, surface water, or air migration pathways, assign the calculated HWQ score or 100, whichever is greater, as the HWQ score for that pathway.) For each source, evaluate HWQ for one or more of the four tiers (SI Table 1; HRS Table 2-5) for which data exist: constituent quantity, wastestream quantity, source volume, and source area. Select the tier that gives the highest value as the source HWQ. Select the source volume HWQ rather than source area HWQ if data for both tiers are available.

Column 1 of SI Table 1 indicates the quantity tier. Column 2 lists source types for the four tiers. Columns 3, 4, 5, and 6 provide ranges of waste amount for sites with only one source, corresponding to HWQ scores at the tops of the columns. Column 7 provides formulas to obtain source waste quantity values at sites with multiple sources.

1. Identify each source type.
2. Examine all waste quantity data available for each source. Record constituent quantity and waste stream mass or volume. Record dimensions of each source.
3. Convert source measurements to appropriate units for each tier to be evaluated.
4. For each source, use the formulas in the last column of SI Table 1 to determine the waste quantity value for each tier that can be evaluated. Use the waste quantity value obtained from the highest tier as the quantity value for the source.
5. Sum the values assigned to each source to determine the total site waste quantity.
6. Assign HWQ score from SI Table 2 (HRS Table 2-6).

Note these exceptions to evaluate soil exposure pathway HWQ (see HRS Table 5-2):

- The divisor for the area (square feet) of a landfill is 34,000.
- The divisor for the area (square feet) of a pile is 34.
- Wet surface impoundments and tanks and non-drum containers are the only sources for which volume measurements are evaluated for the soil exposure pathway.

SI TABLE 2: HWQ SCORES FOR SITES

Site WQ Total	HWQ Score
0	0
1 ^a to 100	1 ^b
> 100 to 10,000	100
> 10,000 to 1 million	10,000
> 1 million	1,000,000

^a If the WQ total is between 0 and 1, round it to 1.

^b If the hazardous constituent quantity data are not complete, assign the score of 10.

SLTABLE 3: WASTE CHARACTERIZATION WORKSHEET

Site Name: West Point Pepperell Langdale Mill

References: SIP, SCDM

Sources:

1 contaminated soil assumption

[illegible]

Ground Water Observed Release Substances Summary Table

On SI Table 4, list the hazardous substances associated with the site detected in ground water samples for that aquifer. Include only those substances directly observed or with concentrations significantly greater than background levels. Obtain toxicity values from the Superfund Chemical Data Matrix (SCDM). Assign mobility a value of 1 for all observed release substances regardless of the aquifer being evaluated. For each substance, multiply the toxicity by the mobility to obtain the toxicity/mobility factor value; enter the highest toxicity/mobility value for the aquifer in the space provided.

Ground Water Actual Contamination Targets Summary Table

If there is an observed release at a drinking water well, enter each hazardous substance meeting the requirements for an observed release by well and sample ID on SI Table 5 and record the detected concentration. Obtain benchmark, cancer risk, and reference dose concentrations from SCDM. For MCL and MCLG benchmarks, determine the highest percentage of benchmark obtained for any substance. For cancer risk and reference dose, sum the percentages for the substances listed. If benchmark, cancer risk, or reference dose concentrations are not available for a particular substance, enter N/A for the percentage. If the highest benchmark percentage or the percentage sum calculated for cancer risk or reference dose equals or exceeds 100%, evaluate the population using the well as a Level I target. If these percentages are less than 100% or all are N/A, evaluate the population using the well as a Level II target for that aquifer.

Describe Ground Water Use within 4 Miles of the Site:
Describe generalized stratigraphy, aquifers, municipal and private wells

Describe Ground Water Use within 4 Miles of the Site:
Describe generalized stratigraphy, aquifers, municipal and private wells

Show Calculations of Ground Water Drinking Water Populations for each Aquifer:
Provide apportionment calculations for blended supply systems.
 County average number of persons per household: 2.65 Reference 9

GROUND WATER PATHWAY WORKSHEET

LIKELIHOOD OF RELEASE	Score	Data Type	Refs
1. OBSERVED RELEASE: If sampling data or direct observation support a release to the aquifer, assign a score of 550. Record observed release substances on SI Table 4.			
2. POTENTIAL TO RELEASE: Depth to aquifer: _____ feet. If sampling data do not support a release to the aquifer, and the site is in karst terrain or the depth to aquifer is 70 feet or less, assign a score of 500; otherwise, assign a score of 340. Optionally, evaluate potential to release according to HRS Section 3.	500		
LR = 500			

TARGETS

Are any wells part of a blended system? Yes____ No____ If yes, attach a page to show apportionment calculations.			
3. ACTUAL CONTAMINATION TARGETS: If analytical evidence indicates that any target drinking water well for the aquifer has been exposed to a hazardous substance from the site, evaluate the factor score for the number of people served (SI Table 5). Level I: _____ people x 10 = _____ Level II: _____ people x 1 = _____ Total = _____			
4. POTENTIAL CONTAMINATION TARGETS: Determine the number of people served by drinking water wells for the aquifer or overlying aquifers that are not exposed to a hazardous substance from the site; record the population for each distance category in SI Table 6a or 6b. Sum the population values and multiply by 0.1.			
5. NEAREST WELL: Assign a score of 50 for any Level I Actual Contamination Targets for the aquifer or overlying aquifer. Assign a score of 45 if there are Level II targets but no Level I targets. If no Actual Contamination Targets exist, assign the Nearest Well score from SI Table 6a or 6b. If no drinking water wells exist within 4 miles, assign 0.			
6. WELLHEAD PROTECTION AREA (WHPA): If any source lies within or above a WHPA for the aquifer, or if a ground water observed release has occurred within a WHPA, assign a score of 20; assign 5 if neither condition applies but a WHPA is within 4 miles; otherwise assign 0.			
7. RESOURCES: Assign a score of 5 if one or more ground water resource applies; assign 0 if none applies. <ul style="list-style-type: none"> • Irrigation (5 acre minimum) of commercial food crops or commercial forage crops • Watering of commercial livestock • Ingredient in commercial food preparation • Supply for commercial aquaculture • Supply for a major or designated water recreation area, excluding drinking water use 	5		
Sum of Targets T=	5	ASSUMPTION	

SI TABLE 6 (From HRS TABLE 3-12): VALUES FOR POTENTIAL CONTAMINATION GROUND WATER TARGET POPULATIONS

SI Table 6a: Other Than Karst Aquifers

Distance from Site	Pop.	Nearest Well (choose highest)	Population Served by Wells within Distance Category												Pop. Value	Ref.
			1 to 10	11 to 30	31 to 100	101 to 300	301 to 1000	1001 to 3000	3001 to 10,000	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	300,001 to 1,000,000	1,000,000 to 3,000,000		
0 to $\frac{1}{4}$ mile		20	4	17	53	164	522	1,633	5,214	16,325	52,137	163,246	521,360	1,632,455		
$>\frac{1}{4}$ to $\frac{1}{2}$ mile		18	2	11	33	102	324	1,013	3,233	10,122	32,325	101,213	323,243	1,012,122		
$>\frac{1}{2}$ to 1 mile		9	1	5	17	52	167	523	1,669	5,224	16,684	52,239	166,835	522,385		
>1 to 2 miles		5	0.7	3	10	30	94	294	939	2,939	9,385	29,384	93,845	293,842		
>2 to 3 miles		3	0.5	2	7	21	68	212	678	2,122	6,778	21,222	67,777	212,219		
>3 to 4 miles		2	0.3	1	4	13	42	131	417	1,306	4,171	13,060	41,709	130,596		

Nearest Well =

Sum =

SI TABLE 6 (From HRS TABLE 3-12): VALUES FOR POTENTIAL CONTAMINATION GROUND WATER TARGET POPULATIONS (continued)

SI Table 6b: Karst Aquifers

Distance from Site	Pop.	Nearest Well (choose highest)	Population Served by Wells within Distance Category												Pop. Value	Ref.
			1 to 10	11 to 30	31 to 100	101 to 300	301 to 1000	1001 to 3000	3001 to 10,000	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	300,001 to 1,000,000	1,000,000 to 3,000,000		
0 to $\frac{1}{4}$ mile		20	4	17	53	164	522	1,633	5,214	16,325	52,137	163,246	521,360	1,632,455		
$>\frac{1}{4}$ to $\frac{1}{2}$ mile		20	2	11	33	102	324	1,013	3,233	10,122	32,325	101,213	323,243	1,012,122		
$>\frac{1}{2}$ to 1 mile		20	2	9	26	82	261	817	2,607	8,163	26,068	81,623	260,680	816,227		
> 1 to 2 miles		20	2	9	26	82	261	817	2,607	8,163	26,068	81,623	260,680	816,227		
> 2 to 3 miles		20	2	9	26	82	261	817	2,607	8,163	26,068	81,623	260,680	816,227		
> 3 to 4 miles		20	2	9	26	82	261	817	2,607	8,163	26,068	81,623	260,680	816,227		

Nearest Well =

Sum =

GROUND WATER PATHWAY WORKSHEET (concluded)

WASTE CHARACTERISTICS	Score	Data Type	Does not Apply																						
8. If any Actual Contamination Targets exist for the aquifer or overlying aquifers, assign the calculated hazardous waste quantity score or a score of 100, whichever is greater; if no Actual Contamination Targets exist, assign the hazardous waste quantity score calculated for sources available to migrate to ground water.	100	E																							
9. Assign the highest ground water toxicity/mobility value from SI Table 3 or 4.	1×10^4																								
10. Multiply the ground water toxicity/mobility and hazardous waste quantity scores. Assign the Waste Characteristics score from the table below: (from HRS Table 2-7)	1×10^6																								
<table border="1"> <thead> <tr> <th>Product</th> <th>WC Score</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>>0 to <10</td><td>1</td></tr> <tr><td>10 to <100</td><td>2</td></tr> <tr><td>100 to <1,000</td><td>3</td></tr> <tr><td>1,000 to <10,000</td><td>6</td></tr> <tr><td>10,000 to <1E + 05</td><td>10</td></tr> <tr><td>1E + 05 to <1E + 06</td><td>18</td></tr> <tr><td>1E + 06 to <1E + 07</td><td>32</td></tr> <tr><td>1E + 07 to <1E + 08</td><td>56</td></tr> <tr><td>1E + 08 or greater</td><td>100</td></tr> </tbody> </table>				Product	WC Score	0	0	>0 to <10	1	10 to <100	2	100 to <1,000	3	1,000 to <10,000	6	10,000 to <1E + 05	10	1E + 05 to <1E + 06	18	1E + 06 to <1E + 07	32	1E + 07 to <1E + 08	56	1E + 08 or greater	100
Product	WC Score																								
0	0																								
>0 to <10	1																								
10 to <100	2																								
100 to <1,000	3																								
1,000 to <10,000	6																								
10,000 to <1E + 05	10																								
1E + 05 to <1E + 06	18																								
1E + 06 to <1E + 07	32																								
1E + 07 to <1E + 08	56																								
1E + 08 or greater	100																								
	32																								
	WC = 32																								

Multiply LR by T and by WC. Divide the product by 82,500 to obtain the ground water pathway score for each aquifer. Select the highest aquifer score. If the pathway score is greater than 100, assign 100.

GROUND WATER PATHWAY SCORE:

$$\frac{LR \times T \times WC}{82,500}$$

0.9697
(Maximum of 100)

SURFACE WATER PATHWAY

Sketch of the Surface Water Migration Route:

Label all surface water bodies. Include runoff route and drainage direction, probable point of entry, and 15-mile target distance limit. Mark sample locations, intakes, fisheries, and sensitive environments. Indicate flow directions, tidal influence, and rate.

SURFACE WATER PATHWAY

Surface Water Observed Release Substances Summary Table

On SI Table 7, list the hazardous substances detected in surface water samples for the watershed, which can be attributed to the site. Include only those substances in observed releases (direct observation) or with concentration levels significantly above background levels. Obtain toxicity, persistence, bioaccumulation potential, and ecotoxicity values from SCDM. Enter the highest toxicity/persistence, toxicity/persistence/bioaccumulation, and ecotoxicity/persistence/ecobioaccumulation values in the spaces provided.

- TP = Toxicity x Persistence
- TPB = TP x bioaccumulation
- ETPB = EP x bioaccumulation (EP = ecotoxicity x persistence)

Drinking Water Actual Contamination Targets Summary Table

For an observed release at or beyond a drinking water intake, on SI Table 8 enter each hazardous substance by sample ID and the detected concentration. For surface water sediment samples detecting a hazardous substance at or beyond an intake, evaluate the intake as Level II contamination. Obtain benchmark, cancer risk, and reference dose concentrations for each substance from SCDM. For MCL and MCLG benchmarks, determine the highest percentage of benchmark obtained for any substance. For cancer risk and reference dose, sum the percentages of the substances listed. If benchmark, cancer risk, or reference dose concentrations are not available for a particular substance, enter N/A for the percentage. If the highest benchmark percentage or the percentage sum calculated for cancer risk or reference dose equals or exceeds 100%, evaluate the population served by the intake as a Level I target. If the percentages are less than 100% or all are N/A, evaluate the population served by the intake as a Level II target.

SI TABLE 7: SURFACE WATER OBSERVED RELEASE SUBSTANCES

Sample ID	Hazardous Substance	Bckgrd. Conc.	Toxicity/ Persistence	Toxicity/ Persis./ Bioaccum	Ecotoxicity/ Persis/ Ecobioaccum	References
Highest Values						

SI TABLE 8: SURFACE WATER DRINKING WATER ACTUAL CONTAMINATION TARGETS

Intake ID: _____ Sample Type _____ Level I _____ Level II _____ Population Served _____ References _____

Sample ID	Hazardous Substance	Conc. (µg/L)	Benchmark Conc. (MCL or MCLG)	% of Benchmark	Cancer Risk Conc.	% of Cancer Risk Conc.	RfD	% of RfD
Highest Percent					Sum of Percents		Sum of Percents	

Intake ID: _____ Sample Type _____ Level I _____ Level II _____ Population Served _____ References _____

Sample ID	Hazardous Substance	Conc. (µg/L)	Benchmark Conc. (MCL or MCLG)	% of Benchmark	Cancer Risk Conc.	% of Cancer Risk Conc.	RfD	% of RfD
Highest Percent					Sum of Percents		Sum of Percents	

SURFACE WATER PATHWAY LIKELIHOOD OF RELEASE AND DRINKING WATER THREAT WORKSHEET

LIKELIHOOD OF RELEASE- OVERLAND/FLOOD MIGRATION

	Score	Data Type	Refs												
1. OBSERVED RELEASE: If sampling data or direct observation support a release to surface water in the watershed, assign a score of 550. Record observed release substances on SI Table 7.															
2. POTENTIAL TO RELEASE: Distance to surface water: _____ (feet) If sampling data do not support a release to surface water in the watershed, use the table below to assign a score from the table below based on distance to surface water and flood frequency.															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Distance to surface water <2500 feet</td> <td>500</td> </tr> <tr> <td>Distance to surface water >2500 feet, and:</td> <td></td> </tr> <tr> <td> Site in annual or 10-yr floodplain</td> <td>500</td> </tr> <tr> <td> Site in 100-yr floodplain</td> <td>400</td> </tr> <tr> <td> Site in 500-yr floodplain</td> <td>300</td> </tr> <tr> <td> Site outside 500-yr floodplain</td> <td>100</td> </tr> </table>	Distance to surface water <2500 feet	500	Distance to surface water >2500 feet, and:		Site in annual or 10-yr floodplain	500	Site in 100-yr floodplain	400	Site in 500-yr floodplain	300	Site outside 500-yr floodplain	100			
Distance to surface water <2500 feet	500														
Distance to surface water >2500 feet, and:															
Site in annual or 10-yr floodplain	500														
Site in 100-yr floodplain	400														
Site in 500-yr floodplain	300														
Site outside 500-yr floodplain	100														
Optionally, evaluate surface water potential to release according to HRS Section 4.1.2.1.2	500	E	1,2,3,7												
LR =	500														

LIKELIHOOD OF RELEASE GROUND WATER TO SURFACE WATER MIGRATION

	Score	Data Type	Refs
1. OBSERVED RELEASE: If sampling data or direct observation support a release to surface water in the watershed, assign a score of 550. Record observed release substances on SI Table 7.			
NOTE: Evaluate ground water to surface water migration only for a surface water body that meets all of the following conditions:			
1) A portion of the surface water is within 1 mile of site sources having a containment factor greater than 0.			
2) No aquifer discontinuity is established between the source and the above portion of the surface water body.			
3) The top of the uppermost aquifer is at or above the bottom of the surface water.			
Elevation of top of uppermost aquifer _____			
Elevation of bottom of surface water body _____			
2. POTENTIAL TO RELEASE: Use the ground water potential to release. Optionally, evaluate surface water potential to release according to HRS Section 3.1.2.			
LR =			

SURFACE WATER PATHWAY LIKELIHOOD OF RELEASE AND DRINKING WATER THREAT WORKSHEET (CONTINUED)

DRINKING WATER THREAT TARGETS	Score	Data Type	Refs																
<p>Record the water body type, flow, and number of people served by each drinking water intake within the target distance limit in the watershed. If there is no drinking water intake within the target distance limit, assign 0 to factors 3, 4, and 5.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Intake Name</th> <th style="width: 25%;">Water Body Type</th> <th style="width: 25%;">Flow</th> <th style="width: 25%;">People Served</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> <p>Are any intakes part of a blended system? Yes _____ No _____ If yes, attach a page to show apportionment calculations.</p> <p>3. ACTUAL CONTAMINATION TARGETS: If analytical evidence indicates a drinking water intake has been exposed to a hazardous substance from the site, list the intake name and evaluate the factor score for the drinking water population (SI Table 8).</p> <p>_____</p> <p>Level I: _____ people x 10 = _____ Level II: _____ people x 1 = _____ Total = _____</p>	Intake Name	Water Body Type	Flow	People Served															
Intake Name	Water Body Type	Flow	People Served																
<p>4. POTENTIAL CONTAMINATION TARGETS: Determine the number of people served by drinking water intakes for the watershed that have not been exposed to a hazardous substance from the site. Assign the population values from SI Table 9. Sum the values and multiply by 0.1.</p>																			
<p>5. NEAREST INTAKE: Assign a score of 50 for any Level I Actual Contamination Drinking Water Targets for the watershed. Assign a score of 45 if there are Level II targets for the watershed, but no Level I targets. If no Actual Contamination Drinking Water Targets exist, assign a score for the intake nearest the PPE from SI Table 9. If no drinking water intakes exist, assign 0.</p>																			
<p>6. RESOURCES: Assign a score of 5 if one or more surface water resource applies; assign 0 if none applies.</p> <ul style="list-style-type: none"> • Irrigation (5 acre minimum) of commercial food crops or commercial forage crops • Watering of commercial livestock • Ingredient in commercial food preparation • Major or designated water recreation area, excluding drinking water use 																			
SUM OF TARGETS T=	0																		

SI TABLE 9 (From HRS Table 4-14): DILUTION-WEIGHTED POPULATION VALUES FOR POTENTIAL CONTAMINATION FOR SURFACE WATER MIGRATION PATHWAY

Type of Surface Water Body	Pop.	Nearest Intake	Number of people									Pop. Value
			0	1 to 10	11 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,000	10,001 to 30,000	
Minimal Stream (<10 cfs)		20	0	4	17	53	164	522	1,633	5,214	16,325	
Small to moderate stream (10 to 100 cfs)		2	0	0.4	2	5	16	52	163	521	1,633	
Moderate to large stream (> 100 to 1,000 cfs)		0	0	0.04	0.2	0.5	2	5	16	52	163	
Large Stream to river (>1,000 to 10,000 cfs)		0	0	0.004	0.02	0.05	0.2	0.5	2	5	16	
Large River (> 10,000 to 100,000 cfs)		0	0	0	0.002	0.005	0.02	0.05	0.2	0.5	16	
Very Large River (>100,000 cfs)		0	0	0	0	0.001	0.002	0.005	0.02	0.05	0.2	
Shallow ocean zone or Great Lake (depth < 20 feet)		0	0	0	0.002	0.005	0.02	0.05	0.2	0.5	2	
Moderate ocean zone or Great Lake (Depth 20 to 200 feet)		0	0	0	0	0.001	0.002	0.005	0.02	0.05	0.2	
Deep ocean zone or Great Lake (depth > 200 feet)		0	0	0	0	0	0.001	0.003	0.008	0.03	0.08	
3-mile mixing zone in quiet flowing river (≥ 10 cfs)		10	0	2	9	26	82	261	817	2,607	8,163	
Nearest Intake =												
Sum =												

References _____

SURFACE WATER PATHWAY

Human Food Chain Actual Contamination Targets Summary Table

On SI Table 10, list the hazardous substances detected in sediment, aqueous, sessile benthic organism tissue, or fish tissue samples (taken from fish caught within the boundaries of the observed release) by sample ID and concentration. Evaluate fisheries within the boundaries of observed releases detected by sediment or aqueous samples as Level II, if at least one observed release substance has a bioaccumulation potential factor value of 500 or greater (see SI Table 7). Obtain benchmark, cancer risk, and reference dose concentrations from SCDM. For FDAAL benchmarks, determine the highest percentage of benchmark obtained for any substance. For cancer risk and reference dose, sum the percentages for the substances listed. If benchmark, cancer risk, or reference dose concentrations are not available for a particular substance, enter N/A for the percentage. If the highest benchmark percentage sum calculated for cancer risk or reference dose equals or exceeds 100%, evaluate this portion of the fishery as subject to Level I concentrations. If the percentages are less than 100% or all are N/A, evaluate the fishery as a Level II target.

Sensitive Environment Actual Contamination Targets Summary Table

On SI Table 11, list each hazardous substance detected in aqueous or sediment samples at or beyond wetlands or a surface water sensitive environment by sample ID. Record the concentration. If contaminated sediments or tissues are detected at or beyond a sensitive environment, evaluate the sensitive environment as Level II. Obtain benchmark concentrations from SCDM. For AWQC/AALAC benchmarks, determine the highest percentage of benchmark of the substances detected in aqueous samples. If benchmark concentrations are not available for a particular substance, enter N/A for the percentage. If the highest benchmark percentage equals or exceeds 100%, evaluate that part of the sensitive environment subject to Level I concentrations. If the percentage is less than 100%, or all are N/A, evaluate the sensitive environment as Level II.

SI TABLE 10: HUMAN FOOD CHAIN ACTUAL CONTAMINATION TARGETS FOR WATERSHED

Fishery ID: _____ Sample Type _____ Level I _____ Level II _____ References _____

Sample ID	Hazardous Substance	Conc. (mg/kg)	Benchmark Concentration (FDAAL)	% of Benchmark	Cancer Risk Concentration	% of Cancer Risk Concentration	RfD	% of RfD
Highest Percent					Sum of Percents		Sum of Percents	

SI TABLE 11: SENSITIVE ENVIRONMENT ACTUAL CONTAMINATION TARGETS FOR WATERSHED

Environment ID: _____ Sample Type _____ Level I _____ Level II _____ Environment Value _____

Sample ID	Hazardous Substance	Conc.. (µg/L)	Benchmark Concentration (AWQC or AALAC)	% of Benchmark	References
Highest Percent					

Environment ID: _____ Sample Type _____ Level I _____ Level II _____ Environment Value _____

Sample ID	Hazardous Substance	Conc.. (µg/L)	Benchmark Concentration (AWQC or AALAC)	% of Benchmark	References
Highest Percent					

SURFACE WATER PATHWAY (continued) HUMAN FOOD CHAIN THREAT WORKSHEET

HUMAN FOOD CHAIN THREAT TARGETS	Score	Data Type	Refs													
<p>Record the water body type and flow for each fishery within the target distance limit. If there is no fishery within the target distance limit, assign a score of 0 at the bottom of this page.</p>																
<p>Fishery Name _____ Water Body _____ Flow _____ cfs</p> <p>Species _____ Production _____ lbs/yr</p> <p>Species _____ Production _____ lbs/yr</p> <p>Fishery Name _____ Water Body _____ Flow _____ cfs</p> <p>Species _____ Production _____ lbs/yr</p> <p>Species _____ Production _____ lbs/yr</p> <p>Fishery Name _____ Water Body _____ Flow _____ cfs</p> <p>Species _____ Production _____ lbs/yr</p> <p>Species _____ Production _____ lbs/yr</p>																
<p>FOOD CHAIN INDIVIDUAL</p> <p>7. ACTUAL CONTAMINATION FISHERIES:</p> <p>If analytical evidence indicates that a fishery has been exposed to a hazardous substance with a bioaccumulation factor greater than or equal to 500 (SI Table 10), assign a score of 50 if there is a Level I fishery. Assign 45 if there is a Level II fishery, but no Level I fishery.</p> <p>8. POTENTIAL CONTAMINATION FISHERIES:</p> <p>If there is a release of a substance with a bioaccumulation factor greater than or equal to 500 to a watershed containing fisheries within the target distance limit, but there are no Level I or Level II fisheries, assign a score of 20.</p> <p>If there is no observed release to the watershed, assign a value for potential contamination fisheries from the table below using the lowest flow at all fisheries within the target distance limit:</p> <table border="1" style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="width: 50%;">Lowest Flow</th> <th style="width: 50%;">FCI Value</th> </tr> </thead> <tbody> <tr> <td><10 cfs</td> <td>20</td> </tr> <tr> <td>10 to 100 cfs</td> <td>2</td> </tr> <tr> <td>>100 cfs, coastal tidal waters, oceans, or Great Lakes</td> <td>0</td> </tr> <tr> <td>3-mile mixing zone in quiet flowing river</td> <td>10</td> </tr> </tbody> </table> <p style="text-align: right; margin-top: 10px;">FCI Value =</p>				Lowest Flow	FCI Value	<10 cfs	20	10 to 100 cfs	2	>100 cfs, coastal tidal waters, oceans, or Great Lakes	0	3-mile mixing zone in quiet flowing river	10	0		
Lowest Flow	FCI Value															
<10 cfs	20															
10 to 100 cfs	2															
>100 cfs, coastal tidal waters, oceans, or Great Lakes	0															
3-mile mixing zone in quiet flowing river	10															
<p>SUM OF TARGETS T =</p>			0													

SURFACE WATER PATHWAY (continued) ENVIRONMENTAL THREAT WORKSHEET

When measuring length of wetlands that are located on both sides of a surface water body, sum both frontage lengths. For a sensitive environment that is more than one type, assign a value for each type.

ENVIRONMENTAL THREAT TARGETS				Score	Data Type	Refs	
Record the water body type and flow for each surface water sensitive environment within the target distance (see SI Table 12). If there is no sensitive environment within the target distance limit, assign a score of 0 at the bottom of the page.							
Environment Name	Water Body Type	Flow					
		cfs					
		cfs					
		cfs					
		cfs					
9. ACTUAL CONTAMINATION SENSITIVE ENVIRONMENTS: If sampling data or direct observation indicate any sensitive environment has been exposed to a hazardous substance from the site, record this information on SI Table 11, and assign a factor value for the environment (SI Tables 13 and 14).							
Environment Name	Environment Type and Value (SI Tables 13 & 14)	Multiplier (10 for Level I, 1 for Level II)	Product				
		x	=				
		x	=				
		x	=				
		x	=				
Sum =							
10. POTENTIAL CONTAMINATION SENSITIVE ENVIRONMENTS:							
Flow	Dilution Weight (SI Table 12)	Environment Type and Value (SI Tables 13 & 14)	Pot. Cont.				Product
5.5 cfs	x	x	0.1 =				
cfs	x	x	0.1 =				
cfs	x	x	0.1 =				
cfs	x	x	0.1 =				
Sum =							
T =				0			

**SI TABLE 12 (HRS Table 4-13):
SURFACE WATER DILUTION WEIGHTS**

Type of Surface Water Body		Assigned Dilution Weight
Descriptor	Flow Characteristics	
Minimal stream	< 10 cfs	1
Small to moderate stream	10 to 100 cfs	0.1
Moderate to large stream	> 100 to 1,000 cfs	0.01
Large stream to river	> 1,000 to 10,000 cfs	0.001
Large river	> 10,000 to 100,000 cfs	0.0001
Very large river	> 100,000 cfs	0.00001
Coastal tidal waters	Flow not applicable; depth not applicable	0.001
Shallow ocean zone or Great Lake	Flow not applicable; depth less than 20 feet	0.001
Moderate depth ocean zone or Great Lake	Flow not applicable; depth 20 to 200 feet	0.0001
Deep ocean zone or Great Lake	Flow not applicable; depth greater than 200 feet	0.000005
3-mile mixing zone in quiet flowing river	10 cfs or greater	0.5

**SI TABLE 13 (HRS TABLE 4-23):
SURFACE WATER AND AIR SENSITIVE ENVIRONMENTS VALUES**

SENSITIVE ENVIRONMENT	ASSIGNED VALUE
Critical habitat for Federal designated endangered or threatened species Marine Sanctuary National Park Designated Federal Wilderness Area Ecologically important areas identified under the Coastal Zone Wilderness Act Sensitive Areas identified under the National Estuary Program or Near Coastal Water Program of the Clean Water Act Critical Areas identified under the Clean Lakes Program of the Clean Water Act (subareas in lakes or entire small lakes) National Monument (air pathway only) National Seashore Recreation Area National Lakeshore Recreation Area	100
Habitat known to be used by Federal designated or proposed endangered or threatened species National Preserve National or State Wildlife Refuge Unit of Coastal Barrier Resources System Coastal Barrier (undeveloped) Federal land designated for the protection of natural ecosystems Administratively Proposed Federal Wilderness Area Spawning areas critical for the maintenance of fish/shellfish species within a river system, bay, or estuary Migratory pathways and feeding areas critical for the maintenance of anadromous fish species within river reaches or areas in lakes or coastal tidal waters in which the fish spend extended periods of time Terrestrial areas utilized by large or dense aggregations of vertebrate animals (semi-aquatic foragers) for breeding National river reach designated as recreational	75
Habitat known to be used by State designated endangered or threatened species Habitat known to be used by a species under review as to its Federal endangered or threatened status Coastal Barrier (partially developed) Federally designated Scenic or Wild River	50
State land designated for wildlife or game management State designated Scenic or Wild River State designated Natural Area Particular areas, relatively small in size, important to maintenance of unique biotic communities	25
State designated areas for the protection of maintenance of aquatic life under the Clean Water Act	5
Wetlands	See SI Table 14 (Surface Water Pathway) or SI Table 23 (Air Pathway)

**SI TABLE 14 (HRS TABLE 4-24): SURFACE WATER
WETLANDS FRONTAGE VALUES**

Total Length of Wetlands	Assigned Value
Less than 0.1 mile	0
0.1 to 1 mile	25
Greater than 1 to 2 miles	50
Greater than 2 to 3 miles	75
Greater than 3 to 4 miles	100
Greater than 4 to 8 miles	150
Greater than 8 to 12 miles	250
Greater than 12 to 16 miles	350
Greater than 16 to 20 miles	450
Greater than 20 miles	500

**SURFACE WATER PATHWAY (concluded)
WASTE CHARACTERISTICS, THREAT, AND PATHWAY SCORE SUMMARY**

WASTE CHARACTERISTICS				Score
14. If an Actual Contamination Target (drinking water, human food chain, or environmental threat) exists for the watershed, assign the calculated hazardous waste quantity score, or a score of 100, whichever is greater.				100
15. Assign the highest value from SI Table 7 (observed release) or SI Table 3 (no observed release) for the hazardous substance waste characterization factors below. Multiply each by the surface water hazardous waste quantity score and determine the waste characteristics score for each threat.				
	Substance Value	HWQ	Product	WC Score (from Table) (Maximum of 100)
Drinking Water Threat Toxicity/Persistence	$10,000$ x	100 -	1×10^6	32
Food Chain Threat Toxicity/Persistence Bioaccumulation	5×10^7 x	100 -	5×10^9	180
Environmental Threat Ecotoxicity/Persistence/ Ecobioaccumulation	5×10^8 x	100 -	5×10^{10}	320

Product	WC Score
0	0
>0 to <10	1
10 to <100	2
100 to <1,000	3
1,000 to <10,000	6
10,000 to <1E + 05	10
1E + 05 to <1E + 06	18
1E + 06 to <1E + 07	32
1E + 07 to <1E + 08	56
1E + 08 to <1E + 09	100
1E + 09 to <1E + 10	180
1E + 10 to <1E + 11	320
1E + 11 to <1E + 12	560
1E + 12 or greater	1000

SURFACE WATER PATHWAY THREAT SCORES

Threat	Likelihood of Release (LR) Score	Targets (T) Score	Pathway Waste Characteristics (WC) Score (determined above)	Threat Score $\frac{LR \times T \times WC}{82,500}$
Drinking Water	500	0	32	(maximum of 100) 0
Human Food Chain	500	0	180	(maximum of 100) 0
Environmental	500	0	320	(maximum of 60) 0

SURFACE WATER PATHWAY SCORE
(Drinking Water Threat + Human Food
Chain Threat + Environmental Threat)

(maximum of 100)

0

SOIL EXPOSURE PATHWAY

If there is no observed contamination (e.g., ground water plume with no known surface source), do not evaluate the soil exposure pathway. Discuss evidence for no soil exposure pathway.

Soil Exposure Resident Population Targets Summary

For each property (duplicate page 35 as necessary):

If there is an area of observed contamination on the property and within 200 feet of a residence, school, or day care center, enter on Table 15 each hazardous substance by sample ID. Record the detected concentration. Obtain cancer risk, and reference dose concentrations from SCDM. Sum the cancer risk and reference dose percentages for the substances listed. If cancer risk or reference dose concentrations are not available for a particular substance, enter N/A for the percentage. If the percentage sum calculated for cancer risk or reference dose equals or exceeds 100%, evaluate the residents and students as Level I. If both percentages are less than 100% or all are N/A, evaluate the targets as Level II.

SI TABLE 15: SOIL EXPOSURE RESIDENT POPULATION TARGETS

Residence ID: _____ Level I _____ Level II _____ Population _____

Sample ID	Hazardous Substance	Conc. (mg/kg)	Cancer Risk Concentration	% of Cancer Risk Conc.	RfD	% of RfD	Toxicity Value	References
Highest Percent					Sum of Percents		Sum of Percents	

Residence ID: _____ Level I _____ Level II _____ Population _____

Sample ID	Hazardous Substance	Conc. (mg/kg)	Cancer Risk Concentration	% of Cancer Risk Conc.	RfD	% of RfD	Toxicity Value	References
Highest Percent					Sum of Percents		Sum of Percents	

Residence ID: _____ Level I _____ Level II _____ Population _____

Sample ID	Hazardous Substance	Conc. (mg/kg)	Cancer Risk Concentration	% of Cancer Risk Conc.	RfD	% of RfD	Toxicity Value	References
Highest Percent					Sum of Percents		Sum of Percents	

**SI TABLE 16 (HRS TABLE 5-5): SOIL EXPOSURE PATHWAY
TERRESTRIAL SENSITIVE ENVIRONMENT VALUES**

TERRESTRIAL SENSITIVE ENVIRONMENT	ASSIGNED VALUE
Terrestrial critical habitat for Federal designated endangered or threatened species National Park Designated Federal Wilderness Area National Monument	100
Terrestrial habitat known to be used by Federal designated or proposed threatened or endangered species National Preserve (terrestrial) National or State terrestrial Wildlife Refuge Federal land designated for protection of natural ecosystems Administratively proposed Federal Wilderness Area Terrestrial areas utilized by large or dense aggregations of animals (vertebrate species) for breeding	75
Terrestrial habitat used by State designated endangered or threatened species Terrestrial habitat used by species under review for Federal designated endangered or threatened status	50
State lands designated for wildlife or game management State designated Natural Areas Particular areas, relatively small in size, important to maintenance of unique biotic communities	25

SOIL EXPOSURE PATHWAY WORKSHEET RESIDENT POPULATION THREAT

LIKELIHOOD OF EXPOSURE

	Score	Data Type	Refs
1. OBSERVED CONTAMINATION: If evidence indicates presence of observed contamination (depth of 2 feet or less), assign a score of 550; otherwise, assign a 0. Note that a likelihood of exposure score of 0 results in a soil exposure pathway score of 0.			
LE =	550		

ASSUMPTION

TARGETS

<p>2. RESIDENT POPULATION: Determine the number of people occupying residences or attending school or day care on or within 200 feet of areas of observed contamination (HRS section 5.1.3).</p> <p>Level I: _____ people x 10 = _____</p> <p>Level II: _____ people x 1 = _____</p> <p style="text-align: right; margin-right: 20px;">Sum =</p>													
<p>3. RESIDENT INDIVIDUAL: Assign a score of 50 if any Level I resident population exists. Assign a score of 45 if there are Level II targets but no Level I targets. If no resident population exists (i.e., no Level I or Level II targets), assign 0 (HRS Section 5.1.3).</p>													
<p>4. WORKERS: Assign a score from the table below for the total number of workers at the site and nearby facilities with areas of observed contamination associated with the site.</p> <table border="1" style="width: 100%; margin: 10px 0; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Number of Workers</th> <th style="text-align: center;">Score</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="text-align: center;">1 to 100</td> <td style="text-align: center;">5</td> </tr> <tr> <td style="text-align: center;">101 to 1,000</td> <td style="text-align: center;">10</td> </tr> <tr> <td style="text-align: center;">>1,000</td> <td style="text-align: center;">15</td> </tr> </tbody> </table>	Number of Workers	Score	0	0	1 to 100	5	101 to 1,000	10	>1,000	15	5		
Number of Workers	Score												
0	0												
1 to 100	5												
101 to 1,000	10												
>1,000	15												
<p>5. TERRESTRIAL SENSITIVE ENVIRONMENTS: Assign a value for each terrestrial sensitive environment (SI Table 16) in an area of observed contamination.</p> <table border="1" style="width: 100%; margin: 10px 0; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Terrestrial Sensitive Environment Type</th> <th style="text-align: center;">Value</th> </tr> </thead> <tbody> <tr><td> </td><td style="text-align: center;"> </td></tr> <tr><td> </td><td style="text-align: center;"> </td></tr> <tr><td> </td><td style="text-align: center;"> </td></tr> <tr><td> </td><td style="text-align: center;"> </td></tr> </tbody> </table> <p style="text-align: right; margin-right: 20px;">Sum =</p>	Terrestrial Sensitive Environment Type	Value											
Terrestrial Sensitive Environment Type	Value												
<p>6. RESOURCES: Assign a score of 5 if any one or more of the following resources is present on an area of observed contamination at the site; assign 0 if none applies.</p> <ul style="list-style-type: none"> • Commercial agriculture • Commercial silviculture • Commercial livestock production or commercial livestock grazing 													

ASSUMPTION

Total of Targets T=

5

SOIL EXPOSURE PATHWAY WORKSHEET NEARBY POPULATION THREAT

LIKELIHOOD OF EXPOSURE		Score	Data Type	Ref.
7. Attractiveness/Accessibility (from SI Table 17 or HRS Table 5-6)	Value <u>50</u>			
Area of Contamination (from SI Table 18 or HRS Table 5-7)	Value <u>40</u>			
Likelihood of Exposure (from SI Table 19 or HRS Table 5-8)		<u>50</u>	<u>E</u>	<u>1,2,5</u>
LE =		<u>50</u>		

TARGETS		Score	Data Type	Ref.
8. Assign a score of 0 if Level I or Level II resident individual has been evaluated or if no individuals live within 1/4 mile travel distance of an area of observed contamination. Assign a score of 1 if nearby population is within 1/4 mile travel distance and no Level I or Level II resident population has been evaluated.		<u>1</u>	<u>E</u>	<u>3</u>
9. Determine the population within 1 mile travel distance that is not exposed to a hazardous substance from the site (i.e., properties that are not determined to be Level I or Level II); record the population for each distance category in SI Table 20 (HRS Table 5-10). Sum the population values and multiply by 0.1.		<u>0.9</u>	<u>E</u>	<u>3,9</u>
T =		<u>1.9</u>		

**SI TABLE 17 (HRS TABLE 5-6):
ATTRACTIVENESS/ACCESSIBILITY VALUES**

Area of Observed Contamination	Assigned Value
Designated recreational area	100
Regularly used for public recreation (for example, vacant lots in urban area)	75
Accessible and unique recreational area (for example, vacant lots in urban area)	75
Moderately accessible (may have some access improvements—for example, gravel road) with some public recreation use	50
Slightly accessible (for example, extremely rural area with no road improvement) with some public recreation use	25
Accessible with no public recreation use	10
Surrounded by maintained fence or combination of maintained fence and natural barriers	5
Physically inaccessible to public, with no evidence of public recreation use	0

SI TABLE 18 (HRS TABLE 5-7): AREA OF CONTAMINATION FACTOR VALUES

Total area of the areas of observed contamination (square feet)	Assigned Value
≤ to 5,000	5
> 5,000 to 125,000	20
> 125,000 to 250,000	40
> 250,000 to 375,000	60
> 375,000 to 500,000	80
> 500,000	100

SI TABLE 19 (HRS TABLE 5-8): NEARBY POPULATION LIKELIHOOD OF EXPOSURE FACTOR VALUES

AREA OF CONTAMINATION FACTOR VALUE	ATTRACTIVENESS/ACCESSIBILITY FACTOR VALUE						
	100	75	50	25	10	5	0
100	500	500	375	250	125	50	0
80	500	375	250	125	50	25	0
60	375	250	125	50	25	5	0
40	250	125	50	25	5	5	0
20	125	50	25	5	5	5	0
5	50	25	5	5	5	5	0

SI TABLE 20 (HRS TABLE 5-10): DISTANCE-WEIGHTED POPULATION VALUES FOR NEARBY POPULATION THREAT

Travel Distance Category (miles)	Pop.	Number of people within the travel distance category												Pop. Value
		0	1 to 10	11 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,001	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	300,001 to 1,000,000	
Greater than 0 to $\frac{1}{4}$	180	0	0.1	0.4	1.0	4	13	41	130	408	1,303	4,081	13,034	4
Greater than $\frac{1}{4}$ to $\frac{1}{2}$	2102	0	0.05	0.2	0.7	2	7	20	65	204	652	2,041	6,517	2
Greater than $\frac{1}{2}$ to 1	624	0	0.02	0.1	0.3	1	3	10	33	102	326	1,020	3,258	3
Reference(s) <u>3,9</u> Sum = <u>9</u>														

SOIL EXPOSURE PATHWAY WORKSHEET (concluded)

WASTE CHARACTERISTICS

10. Assign the hazardous waste quantity score calculated for soil exposure	100
11. Assign the highest toxicity value from SI Table 16 	10,000
12. Multiply the toxicity and hazardous waste quantity scores. Assign the Waste Characteristics score from the table below:	WC = 32

Product	WC Score
0	0
>0 to <10	1
10 to <100	2
100 to <1,000	3
1,000 to < 10,000	6
10,000 to <1E + 05	10
1E + 05 to <1E + 06	18
1E + 06 to <1E + 07	32
1E + 07 to <1E + 08	56
1E + 08 or greater	100

RESIDENT POPULATION THREAT SCORE:

(Likelihood of Exposure, Question 1;
Targets = Sum of Questions 2, 3, 4, 5, 6)

LEXTXWC
82,500

1.0667

NEARBY POPULATION THREAT SCORE:

(Likelihood of Exposure, Question 7;
Targets = Sum of Questions 8, 9)

LEXTXWC
82,500

0.0368

SOIL EXPOSURE PATHWAY SCORE:

Resident Population Threat + Nearby Population Threat

1.1035
(Maximum of 100)

AIR PATHWAY

Air Pathway Observed Substances Summary Table

On SI Table 21, list the hazardous substances detected in air samples of a release from the site. Include only those substances with concentrations significantly greater than background levels. Obtain benchmark, cancer risk, and reference dose concentrations from SCDM. For NAAQS/NESHAPS benchmarks, determine the highest percentage of benchmark obtained for any substance. For cancer risk and reference dose, sum the percentages for the substances listed. If benchmark, cancer risk, or reference dose concentrations are not available for a particular substance, enter N/A for the percentage. If the highest benchmark percentage or the percentage sum calculated for cancer risk or reference dose equals or exceeds 100%, evaluate targets in the distance category from which the sample was taken and any closer distance categories as Level I. If the percentages are less than 100% or all are N/A, evaluate targets in that distance category and any closer distance categories that are not Level I as Level II.

SI TABLE 21: AIR PATHWAY OBSERVED RELEASE SUBSTANCES

Sample ID: _____ Level I _____ Level II _____ Distance from Sources (mi) _____ References _____

Hazardous Substance	Conc. ($\mu\text{g}/\text{m}^3$)	Gaseous Particulate	Benchmark Conc. (NAAQS or NESHAPS)	% of Benchmark	Cancer Risk Conc.	% of Cancer Risk Conc.	RfD	% of RfD
Highest Toxicity/Mobility			Highest Percent		Sum of Percents		Sum of Percents	

Sample ID: _____ Level I _____ Level II _____ Distance from Sources (mi) _____ References _____

Hazardous Substance	Conc. ($\mu\text{g}/\text{m}^3$)	Toxicity/Mobility	Benchmark Conc. (NAAQS or NESHAPS)	% of Benchmark	Cancer Risk Conc.	% of Cancer Risk Conc.	RfD	% of RfD
Highest Toxicity/Mobility			Highest Percent		Sum of Percents		Sum of Percents	

Sample ID: _____ Level I _____ Level II _____ Distance from Sources (mi) _____ References _____

Hazardous Substance	Conc. ($\mu\text{g}/\text{m}^3$)	Toxicity/Mobility	Benchmark Conc. (NAAQS or NESHAPS)	% of Benchmark	Cancer Risk Conc.	% of Cancer Risk Conc.	RfD	% of RfD
Highest Toxicity/Mobility			Highest Percent		Sum of Percents		Sum of Percents	

AIR PATHWAY WORKSHEET

LIKELIHOOD OF RELEASE	Score	Data Type	Refs
1. OBSERVED RELEASE: If sampling data or direct observation support a release to air, assign a score of 550. Record observed release substances on SI Table 21			
2. POTENTIAL TO RELEASE: If sampling data do not support a release to air, assign a score of 500. Optionally, evaluate air migration gaseous and particulate potential to release (HRS Section 6.1.2)			

LR =

TARGETS

<p>3. ACTUAL CONTAMINATION POPULATION: Determine the number of people within the target distance limit subject to exposure from a release of a hazardous substance to the air.</p> <p style="margin-left: 40px;">a) Level I: _____ people x 10 = _____</p> <p style="margin-left: 40px;">b) Level II: _____ people x 1 = _____ Total = _____</p>																							
<p>4. POTENTIAL TARGET POPULATION: Determine the number of people within the target distance limit not subject to exposure from a release of a hazardous substance to the air, and assign the total population score from SI Table 22.</p>																							
<p>5. NEAREST INDIVIDUAL: Assign a score of 50 if there are any Level I targets. Assign a score of 45 if there are Level II targets but no Level I targets. If no Actual Contamination Population exists, assign the Nearest Individual score from SI Table 22.</p>																							
<p>6. ACTUAL CONTAMINATION SENSITIVE ENVIRONMENTS: Sum the sensitive environment values (SI Table 13) and wetland acreage values (SI Table 23) for environments subject to exposure from the release of a hazardous substance to the air.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th style="text-align: left;">Sensitive Environment Type</th><th style="text-align: left;">Value</th></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr> <th style="text-align: left;">Wetland Acreage</th><th style="text-align: left;">Value</th></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	Sensitive Environment Type	Value									Wetland Acreage	Value											
Sensitive Environment Type	Value																						
Wetland Acreage	Value																						
<p>7. POTENTIAL CONTAMINATION SENSITIVE ENVIRONMENTS: Use SI Table 24 to evaluate sensitive environments not subject to exposure from a release.</p>																							
<p>8. RESOURCES: Assign a score of 5 if one or more air resources applies within 1/2 mile of a source; assign a 0 if none applies</p> <ul style="list-style-type: none"> • Commercial agriculture • Commercial silviculture • Major or designated recreation area 																							

T =

SI TABLE 22 (From HRS TABLE 6-17): VALUES FOR POTENTIAL CONTAMINATION AIR TARGET POPULATIONS

Distance from Site	Pop.	Nearest Individual (choose highest)	Number of People within the Distance Category												Pop. Value
			1 to 10	11 to 30	31 to 100	101 to 300	301 to 1,000	1,001 to 3,000	3,001 to 10,000	10,001 to 30,000	30,001 to 100,000	100,001 to 300,000	300,001 to 1,000,000	1,000,000 to 3,000,000	
On a source		20	4	17	53	164	522	1,633	5,214	16,325	52,137	163,246	521,360	1,632,455	
0 to $\frac{1}{4}$ mile		*	1	4	13	41	131	408	1,304	4,081	13,034	40,812	130,340	408,114	
$> \frac{1}{4}$ to $\frac{1}{2}$ mile		2	0.2	0.9	3	9	28	88	282	882	2,815	8,815	28,153	88,153	
$> \frac{1}{2}$ to 1 mile		1	0.06	0.3	0.9	3	8	26	83	261	834	2,612	8,342	26,119	
> 1 to 2 miles		0	0.02	0.09	0.3	0.8	3	8	27	83	266	833	2,659	8,326	
> 2 to 3 miles		0	0.009	0.04	0.1	0.4	1	4	12	38	120	375	1,199	3,755	
> 3 to 4 miles		0	0.005	0.02	0.07	0.2	0.7	2	7	26	73	229	730	2,285	
Nearest Individual =															Sum =

References

* Score = 20 if the Nearest Individual is within $\frac{1}{8}$ mile of a source; score = 7 if the Nearest Individual is between $\frac{1}{8}$ and $\frac{1}{4}$ mile of a source.

SI TABLE 23 (HRS TABLE 6-18): AIR PATHWAY VALUES FOR WETLAND AREA

Wetland Area	Assigned Value
< 1 acre	0
1 to 50 acres	25
> 50 to 100 acres	75
> 100 to 150 acres	125
> 150 to 200 acres	175
> 200 to 300 acres	250
> 300 to 400 acres	350
> 400 to 500 acres	450
> 500 acres	500

SI TABLE 24: DISTANCE WEIGHTS AND CALCULATIONS FOR AIR PATHWAY POTENTIAL CONTAMINATION SENSITIVE ENVIRONMENTS

Distance	Distance Weight	Sensitive Environment Type and Value (from SI Tables 13 and 20)	Product
On a Source	0.10	x	
		x	
0 to 1/4 mile	0.025	x	
		x	
		x	
1/4 to 1/2 mile	0.0054	x	
		x	
		x	
1/2 to 1 mile	0.0016	x	
		x	
		x	
1 to 2 miles	0.0005	x	
		x	
		x	
2 to 3 miles	0.00023	x	
		x	
		x	
3 to 4 miles	0.00014	x	
		x	
		x	
> 4 miles	0	x	
Total Environments Score =			

AIR PATHWAY (concluded)

WASTE CHARACTERISTICS

<p>9. If any Actual Contamination Targets exist for the air pathway, assign the calculated hazardous waste quantity score or a score of 100, whichever is greater; if there are no Actual Contamination Targets for the air pathway, assign the calculated HWQ score for sources available to air migration.</p>																							
<p>10. Assign the highest air toxicity/mobility value from SI Table 21.</p>																							
<p>11. Multiply the air pathway toxicity/mobility and hazardous waste quantity scores. Assign the Waste Characteristics score from the table below:</p> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="padding: 2px 10px;">Product</th> <th style="padding: 2px 10px;">WC Score</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>>0 to <10</td><td>1</td></tr> <tr><td>10 to <100</td><td>2</td></tr> <tr><td>100 to <1,000</td><td>3</td></tr> <tr><td>1,000 to <10,000</td><td>6</td></tr> <tr><td>10,000 to <1E + 05</td><td>10</td></tr> <tr><td>1E + 05 to <1E + 06</td><td>18</td></tr> <tr><td>1E + 06 to <1E + 07</td><td>32</td></tr> <tr><td>1E + 07 to <1E + 08</td><td>56</td></tr> <tr><td>1E + 08 or greater</td><td>100</td></tr> </tbody> </table>	Product	WC Score	0	0	>0 to <10	1	10 to <100	2	100 to <1,000	3	1,000 to <10,000	6	10,000 to <1E + 05	10	1E + 05 to <1E + 06	18	1E + 06 to <1E + 07	32	1E + 07 to <1E + 08	56	1E + 08 or greater	100	<p style="font-size: 24px; margin: 0;">WC =</p>
Product	WC Score																						
0	0																						
>0 to <10	1																						
10 to <100	2																						
100 to <1,000	3																						
1,000 to <10,000	6																						
10,000 to <1E + 05	10																						
1E + 05 to <1E + 06	18																						
1E + 06 to <1E + 07	32																						
1E + 07 to <1E + 08	56																						
1E + 08 or greater	100																						

AIR PATHWAY SCORE:

$$\frac{LE \times T \times WC}{82,500}$$

(maximum of 100)

SITE SCORE CALCULATION		S	S ²
GROUND WATER PATHWAY SCORE (S _{GW})		1.0667	1.1378
SURFACE WATER PATHWAY SCORE (S _{SW})		0	0
SOIL EXPOSURE (S _S)		1.1035	1.2178
AIR PATHWAY SCORE (S _A)			
SITE SCORE $\sqrt{\frac{S_{GW}^2 + S_{SW}^2 + S_S^2 + S_A^2}{4}}$			0.7674

COMMENTS

Attached is a score Based on having an observed release to Groundwater and to surface water. With Level II contamination in the fishery.